

AstroSignatures in the Gauquelin Data Revealed

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WHAT EXPLORATORY RESEARCH AND ASSUMPTIONLESS RESEARCH ARE AND WHY THEY ARE IMPORTANT:

Exploratory research is research designed to reveal what astrological influences occur in a particular set of charts. Exploratory research is extremely powerful is one of the most important research tools available to astrologers. Unfortunately this method is not utilized as extensively as it should be. Hopefully, this paper will inspire astrologers to use the powerful exploratory research tools that are available in order to develop hypotheses that have promise of being validated in a research study.

At this point in time there is no completely convincing replicated research studies in astrology that have validated any astrological hypothesis. There are varying opinions among astrologers as to whether astrological research will ever validate astrological theory, and astrological research is a difficult and painstaking undertaking. I believe that any hope of validating astrological principles in research is likely to involve considerable exploratory research before an actual research study that validates astrology and can be replicated is developed.

In this article I describe how exploratory research can be conducted, and the results obtained on painters, scientists, musicians, and actors in the Gauquelin database. The exploratory research conducted was successful in isolating a group of related astrological factors that occurred in these charts, and these factors are consistent with astrological theory.

Note that discovering astrological influences in a set of charts is not a scientific validation of astrology. The findings of exploratory research can be used to make a hypothesis that can be tested in a research study. The data used in the research study must, of course, be different from the data used in the exploratory research.

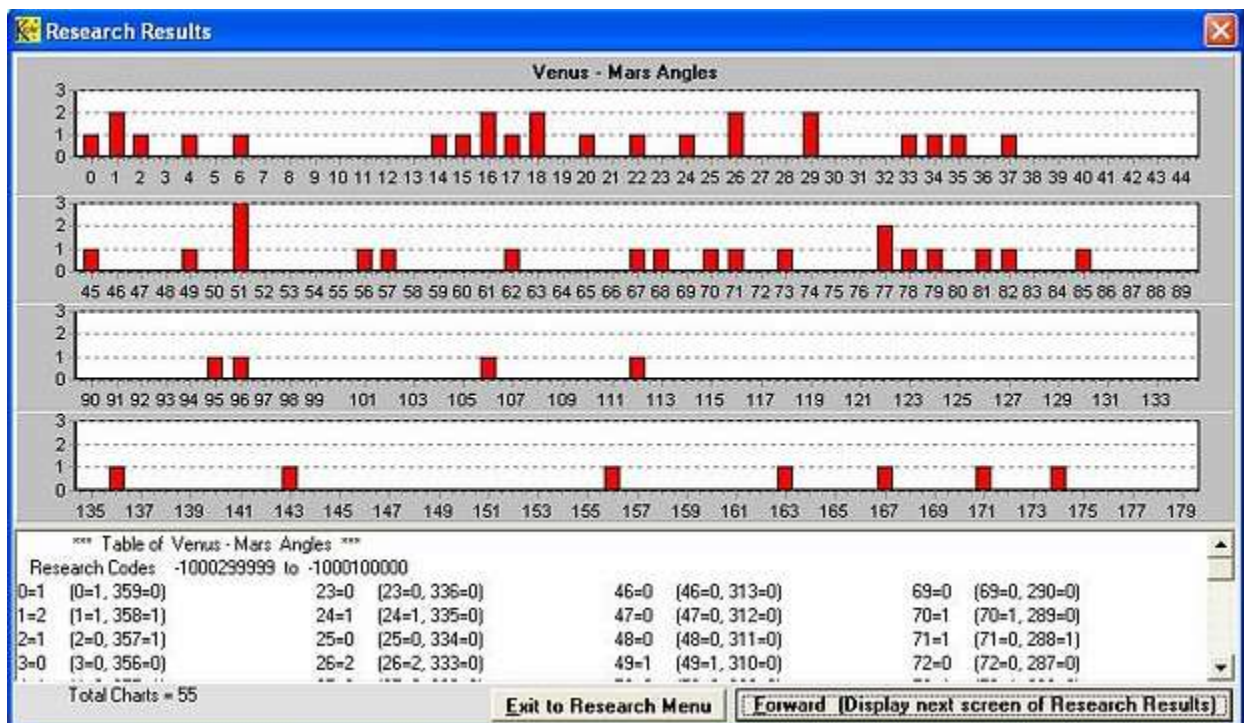
Assumptionless research is a kind of exploratory research where very few assumptions are made at the outset as to what kind of influences may exist in charts. For example, in the research described below the assumption is that angular distances between planets may be important and that aspects can be grouped together as having a similar influence if they share the same denominator (such as the $1/8$ (semisquare) and $3/8$ (sesquiquadrate) aspects). No other a priori assumption as to what is expected is employed until the results of the assumptionless research are gathered and summarized and ready to be evaluated.

EXPLORATORY RESEARCH OF ASPECTS:

The most commonly used astrological influences are aspects, zodiac sign placements, and house placements. Rulerships, exaltations, and other ways of relating these influences to each other are also often used. Combinations of planets in midpoint structures, and other ways of looking at how astronomical phenomena correlate with behavior on earth are also utilized by astrologers.

In the study below I have focused on aspects between the planets.

The Kepler 7.0 program was used to do this study: For 55 charts of painters in the Kepler database I selected a distribution of angles between Venus and Mars, as shown below.

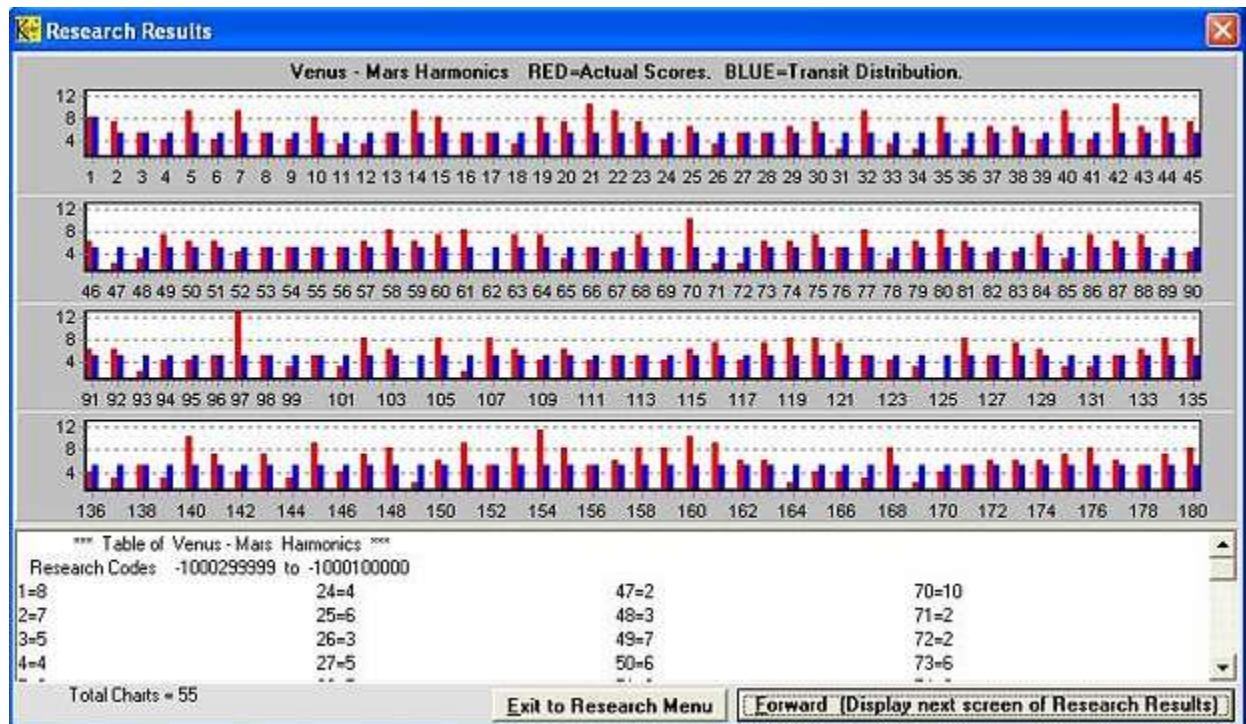


The graph shown above shows the total number of charts with Venus and Mars in 180 totals, from 0 to 179 degrees, where "0" is 0 to 1 degree, "1" is 1 to 2 degrees, etc. up to "179" for 179 to 180 degrees.

The results shown above show one of the requirements for exploratory research: a large number of charts! With only 55 charts, there is not enough data to see how the distribution of angles from 0 to 180 degrees.

Viewing the aspects as harmonics does not require as much data as viewing aspects as angular distances. A harmonic is simply all aspects that have the same denominator. For example, the 1/10, 2/10, 3/10, 4/10, and 5/10 aspects are 10th harmonic aspects and they are multiples of 36 degrees. Only the 1/10 and 3/10 aspect do not reduce down to also be a lower harmonic.

Despite the limited number of charts used on this study, viewing the aspect angles as harmonics is very interesting. These list of aspects are shown below.



In the graph above the distribution of angles for transiting planets from 1850 to 1950 is also displayed in a blue color. This serves as a kind of control group to see what the random distribution of harmonic is. All blue bars are approximately the same height, showing that the random occurrence of harmonics of Venus and Mars are fairly evenly distributed across all harmonics.

The graph above shows that among the lowest harmonics, the 5th, 7th, 10th, 14th, and 15th harmonics occur more often than other harmonics. With only 55 charts being analyzed however, these can easily be random fluctuations. Nevertheless, the results are very interesting to me because I associate the 5th harmonic with creativity, and I associate the 7th harmonic with discipline, inner focus, and interest in abstract or ancient subjects. Art is creative so the strong 5th and 10th harmonics is particularly interesting to me. Harmonic astrology is a system of astrological interpretation developed by John Addey. Harmonic astrology is based on wave theory and Addey presents a comprehensive theoretical framework and also impressive research evidence to support harmonic astrology. In the 1970's I used Addey's ideas as well as other ideas in my astrological consultation practice, and most of my ideas build upon the initial concepts and framework for harmonic astrology that Addey developed. In this research study I use exploratory research methods to see if harmonics between particular pairs of planets can discriminate between the various professional groups with statistical significance.

ASTROSIGNATURE FOR VISUAL ARTS

Building an AstroSignature:

I looked at graphs of some other planetary pairs and then decided to build an AstroSignature for Visual Arts. Shown below is the screen for the AstroSignature that I created. The AstroSignature is the 5th, 10th, and 15th harmonics of Venus-Mars, Venus-Neptune, and Mars-Neptune, for a total of 9 astrological influences, as shown in the list of influences on the left side of the screen.

Customize AstroSignature: Artist New

Select An Item:

- Ven Mar, harmonic = 5 only, Orb = 16°, Strength = 01
- Ven Nep, harmonic = 5 only, Orb = 16°, Strength = 01
- Mar Nep, harmonic = 5 only, Orb = 16°, Strength = 01
- Ven Mar, harmonic = 10 only, Orb = 16°, Strength = 01
- Ven Nep, harmonic = 10 only, Orb = 16°, Strength = 01
- Mar Nep, harmonic = 10 only, Orb = 16°, Strength = 01
- Ven Mar, harmonic = 15 only, Orb = 16°, Strength = 01
- Ven Nep, harmonic = 15 only, Orb = 16°, Strength = 01
- Mar Nep, harmonic = 15 only, Orb = 16°, Strength = 01

Change Selected Item
(Enter new values, and then select Change button below)

☐ Aspect
 ☐ Speed
 ☒ Harmonic Asp.
 ☐ Har. Sign
 ☐ Fixed Star

☐ Midpoint
 ☐ Zod. Sign
 ☐ 3-Planet Har.
 ☐ Midpt-Midpt

☐ Declin.
 ☐ House
 ☐ 4-Planet Har.
 ☐ Degrees/Dignity

Venus
 Geo (normal)

Mars
 Geo (normal)

Harmonic: 005
 ☒ Remove Lower Prime Harmonics
 Explanation

Orb: 016° 00' 00"
 Strength: 01

AND/OR/SAVE:

☒ Normal (Display)
 ☐ Set "Save"=True if true

☐ AND with next line
 ☐ Display if "Save"=True

☐ OR with next line
 ☐ AND with "Save"=True

Update Now

Note: You do not need to select the "Update Now" button. Items are automatically updated when you select another item. After changing an item, an asterisk appears next to it to indicate that it was changed.

Technical Note: File that contains data is: RNBI.DEF

☒ OK (save changes)
 ☐ Cancel (Do NOT save changes)

☐ Bulers of Signs
 Multiplier To Produce Average Score of 100
 ☐ Auto-adjust value on Save

☐ ? Help

RESULTS:

Shown below are the results of running this astroSignature for the 55 painters used in the study. The average score is 0.27273

Painters (or drawing, etc.)

Change Category / Keyword

Zodiac:
☒ Tropical
☐ Sidereal

Sort Order:
☐ Ascending
☒ Descending

* New Search / AstroSignature

Select an AstroSignature

Customize Highlighted AstroSig

Drive for recognition, attention, status, leadership
Independent. Does not follow orders and regulations
Stubborn, inflexible, predictable, dislikes changes
Flexible, adaptable, seeks variety, indecisive
Expansive, adventurous. Enjoys travel and exploring
Sense of duty and obligation. Conscience and guilt
conix fixed stars
Alcoholism susceptibility (hypothetical)
Image consultant (hypothetical)
Baseball pitcher (hypothetical)
Football quarterback (hypothetical)
One factor
Fixed Stars
My AstroSignature 1
Scientist New
Artist New
New Logic: technical detail, mental concentration

Make selections here and click on "Begin Analysis".
Results appear on the right

Research Results

Average Score:

0.27273

Number of Charts:

55

Highest to Lowest
Note: for Chart Wheel select View Score Details

3 Rockwell, Norman

2 Arp, Hans

1 Beck, C. C.

1 Giacometti, Alberto

1 Kandinsky, Wassily

1 Michelangelo (Buonarrotti)

1 UDERZO, Albert

1 Renoir, Pierre Auguste

1 RAYNAUD, Claude

1 Rauschenberg, Robert

1 Beardsley, Aubrey

1 Abbot, Agnes Anne

0 Addams, Charles Samuel

0 Annigoni, Pietro

0 Appel, Karel

0 Auth, Tony

0 Batiuk, Thomas

0 Braque, Georges

0 Brilliant, Ashleigh

0 Cosimo, Agnolo Di

0 Dalí, Salvador

0 Daumier, Honore

0 De Kooning, Willem

View Score Details

Save Results to File

Statistical Analysis:

Correlation

t-Test

Artif. Intell.

Return to Previous Menu

Imported Data:

I imported 1,526 painters charts from the Gauquelin database. The results are shown below. The average score is 0.23364.

Gauquelin Data Painter

Change Category / Keyword

Zodiac:
☒ Tropical
☐ Sidereal
Sort Order:
☐ Ascending
☒ Descending

* New Search / AstroSignature

Select an AstroSignature

Customize Highlighted AstroSig

Drive for recognition, attention, status, leadership
Independent. Does not follow orders and regulations
Stubborn, inflexible, predictable, dislikes changes
Flexible, adaptable, seeks variety, indecisive
Expansive, adventurous. Enjoys travel and exploring
Sense of duty and obligation. Conscience and guilt
conq fixed stars
Alcoholism susceptibility (hypothetical)
Image consultant (hypothetical)
Baseball pitcher (hypothetical)
Football quarterback (hypothetical)
One factor
Fixed Stars
My AstroSignature 1
Scientist New
Artist New
New Logic: technical detail, mental concentration

Make selections here and click on "Begin Analysis". Results appear on the right.

Research Results

Average Score:

0.23364

Number of Charts:

1528

Highest to Lowest

Note: for Chart Wheel select View Score Details

3 Gauq. Painter 1273

2 Gauq. Painter 1068

2 Gauq. Painter 675

2 Gauq. Painter 615

2 Gauq. Painter 519

2 Gauq. Painter 1317

2 Gauq. Painter 463

2 Gauq. Painter 419

2 Gauq. Painter 343

2 Gauq. Painter 241

2 Gauq. Painter 1323

2 Gauq. Painter 1389

2 Gauq. Painter 148

1 Gauq. Painter 143

1 Gauq. Painter 140

1 Gauq. Painter 128

1 Gauq. Painter 127

1 Gauq. Painter 113

1 Gauq. Painter 111

1 Gauq. Painter 109

1 Gauq. Painter 107

1 Gauq. Painter 104

1 Gauq. Painter 100

View Score Details

Save Results to File

Statistical Analysis:

Correlation

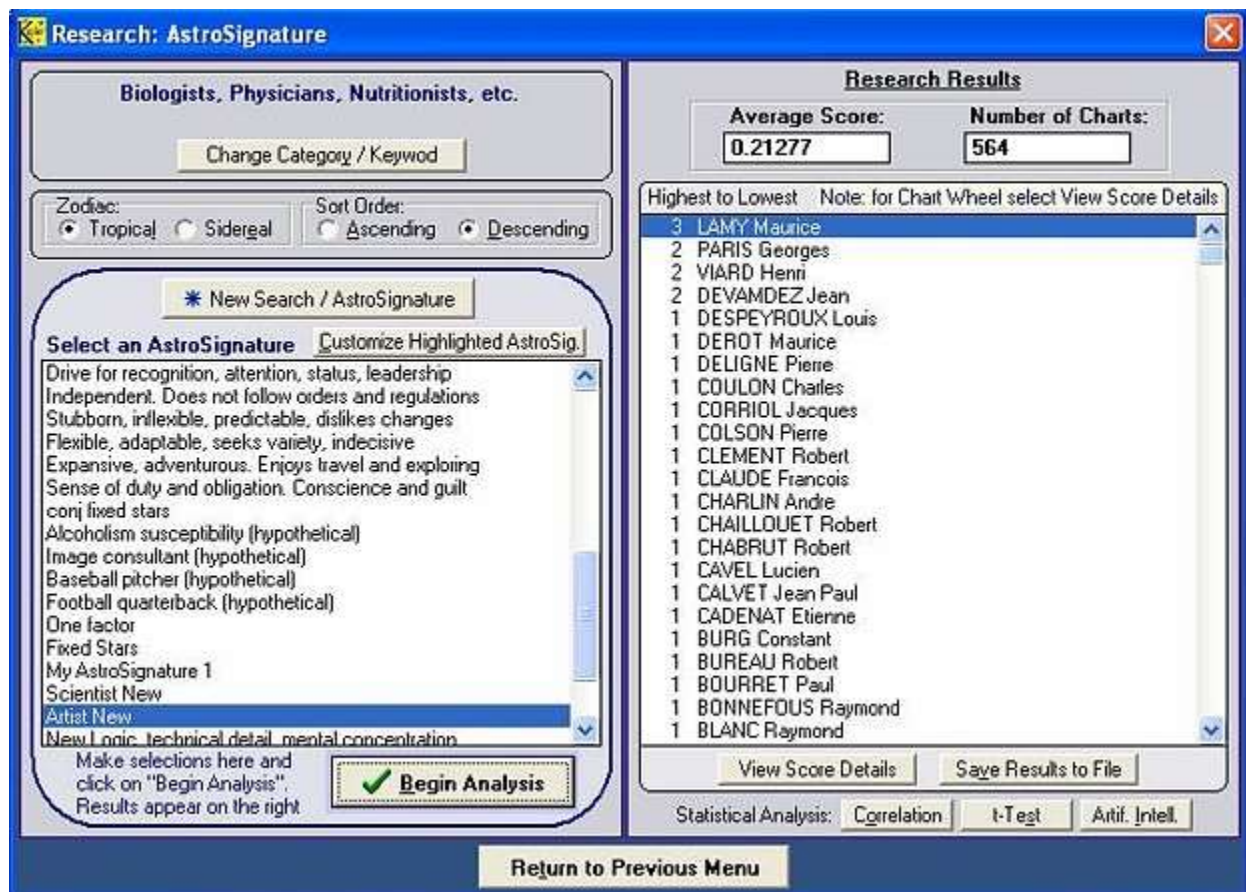
t-Test

Artif. Intell.

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Kepler database:

Next I ran this AstroSignature on 564 scientists. The average score is 0.21277.



Gauqueline Database:

Next I ran the AstroSignature on 3,646 scientists in the Gauquelin database. The results are shown below.

Research: AstroSignature

Gauquelin Data Scientist

Change Category / Keyword

Zodiac: ☒ Tropical ☐ Sidereal Sort Order: ☐ Ascending ☒ Descending

* New Search / AstroSignature

Select an AstroSignature Customize Highlighted AstroSig.

Expansive, adventurous. Enjoys travel and exploring
Sense of duty and obligation. Conscience and guilt
conj fixed stars
Alcoholism susceptibility (hypothetical)
Image consultant (hypothetical)
Baseball pitcher (hypothetical)
Football quarterback (hypothetical)
One factor
Fixed Stars
My AstroSignature 1
Scientist New
Artist New
New Logic, technical detail, mental concentration
Earth Element
Air Element
Water Element

Make selections here and click on "Begin Analysis". Results appear on the right

Begin Analysis

Research Results

Average Score: **0.21777** Number of Charts: **3646**

Highest to Lowest Note: for Chart Wheel select View Score Details

3	Gauq. Scientist 3337
3	Gauq. Scientist 3311
3	Gauq. Scientist 2663
3	Gauq. Scientist 1596
2	Gauq. Scientist 1560
2	Gauq. Scientist 1554
2	Gauq. Scientist 1380
2	Gauq. Scientist 968
2	Gauq. Scientist 924
2	Gauq. Scientist 849
2	Gauq. Scientist 772
2	Gauq. Scientist 670
2	Gauq. Scientist 2537
2	Gauq. Scientist 3384
2	Gauq. Scientist 3376
2	Gauq. Scientist 2634
2	Gauq. Scientist 3280
2	Gauq. Scientist 583
2	Gauq. Scientist 516
2	Gauq. Scientist 371
2	Gauq. Scientist 272
2	Gauq. Scientist 1693
2	Gauq. Scientist 1912

View Score Details Save Results to File

Statistical Analysis: ☐ Correlation ☐ t-Test ☐ Artif. Intell.

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AVERAGE SCORES:

- The 55 painters in the Kepler database had an average score 1.252 greater than the scientists (0.27273 divided by 0.21777).
- The painters in the Gauquelin database had a score 1.073 times greater than the scientists (0.23364 divided by 0.21777).

In my research I look for minimum differences in average scores of at least 10% when large numbers of charts are involved. The fewer the number of charts studied, the wider the fluctuation in average scores can be. In this case, there are over 1,000 painter and over 1,000 scientists in the data so a minimum difference of only 10% is of interest. Keep in mind that the Gauquelin effect for the diurnal placement of planets is one of the most powerful supports for the validity of astrology and the magnitude of the effect is very small. We do not need huge effects to have a finding that is potentially very powerful. A statistical analysis however using a T test shows that the scores for the Gauquelin painters and Gauquelin scientists is not statistically significant at the 0.05 level.

CONSISTENCY OF RESULTS:

Consistency of Results and Agreement with Astrological Theory

In my own astrological work, if I see 5th harmonic aspects between Venus, Mars, and Neptune, I expect artistic talent and inclination. Therefore, the study is based on ideas that agree with astrological concepts (at least the concepts that I use, although not necessarily that of other astrologers). Because the 5th, 10th, and 15th harmonics are regarded as similar according to harmonic theory and all of these harmonics are used between 3 planets, a consistent application of harmonic theory has been used. I used 16 degree orbs (in the harmonic chart, which in actuality is an orb of 16 divided by the harmonic, or slightly over 1 1/2 degrees, for example, for the 10th harmonic, i.e. 16 divided by 10).

DISCOVERY:

A Remarkable Discovery Using Exploratory Research

The indication that there may be astrological influences in the charts of artists that occur more often than in other charts, and that these influences agree with a body of astrological literature is extraordinary. Keep in mind that to date there is no research that unequivocally validates astrological principles and any progress towards a validation of astrological theory is of immense importance. Again, this research does not validate astrology because we have not stated a hypothesis before gathering data. We are analyzing data to discover what astrological influences occur in the set of charts that we are studying. The results of this research help us develop a hypothesis that can be used in a future research study that would validate astrology if the research study is conducted properly, the results are statistically significant and the study can be replicated.

Key features of exploratory research are:

- 1. Viewing a range of information, such as the distribution of planetary angles, rather than specifying specific aspects and orbs,**
- 2. ease of picking out scores that deviate from the average score. In some of the exploratory research features the graphic display makes this evident and in other cases lists of the most frequently occurring influences are given, and**
- 3. AstroSignature building and testing of the AstroSignature that is developed.**

EXPLORATORY RESEARCH:

Exploratory Research of Painters, Musicians, Actors, and Scientists.

I used the exploratory research feature described above on the charts of 1,528 painters, 1,294 musicians, 1,458 actors, and 3,646 scientists that I imported into Kepler. I analyzed 8 planetary pairs that interested me. I could have easily studied other planetary pairs, but the process of viewing and analyzing the data is time consuming.

Exploratory research involves creative thinking, observation, and reflection on the information presented. Even with information neatly assembled and presented, this process is still time-

consuming. I conduct research only as a secondary interest. Universities conduct research with the assistance of a large budget. Astrologers usually conduct research in our spare time with no funding. Few of us can afford to work full time at research as a researcher funded by a research grant does. All researchers must be practical and work with the resources available.

In this case study, I looked at 8 planetary pairs: Mercury-Saturn, Sun-Saturn, Mars-Saturn, Venus-Saturn, Moon-Saturn, Jupiter-Saturn, Venus-Neptune, and Sun-Neptune.

- I suspected that Mercury-Saturn and other planets aspecting Saturn would be important in the charts of scientists, especially in octave or 7-based harmonics (harmonics 1, 2, 4, 8, etc. or 7, 14, 21, 28, etc.). This conclusion is based on my own astrological theory and the evidence for 7-based harmonics is also based on previous research. The Venus-Saturn and Venus-Neptune aspects might be important in the charts of artists, and the Sun-Neptune aspect might be important in the charts of artists as well, and perhaps actors is particular because of the imagination, idealism, and fantasy involved.

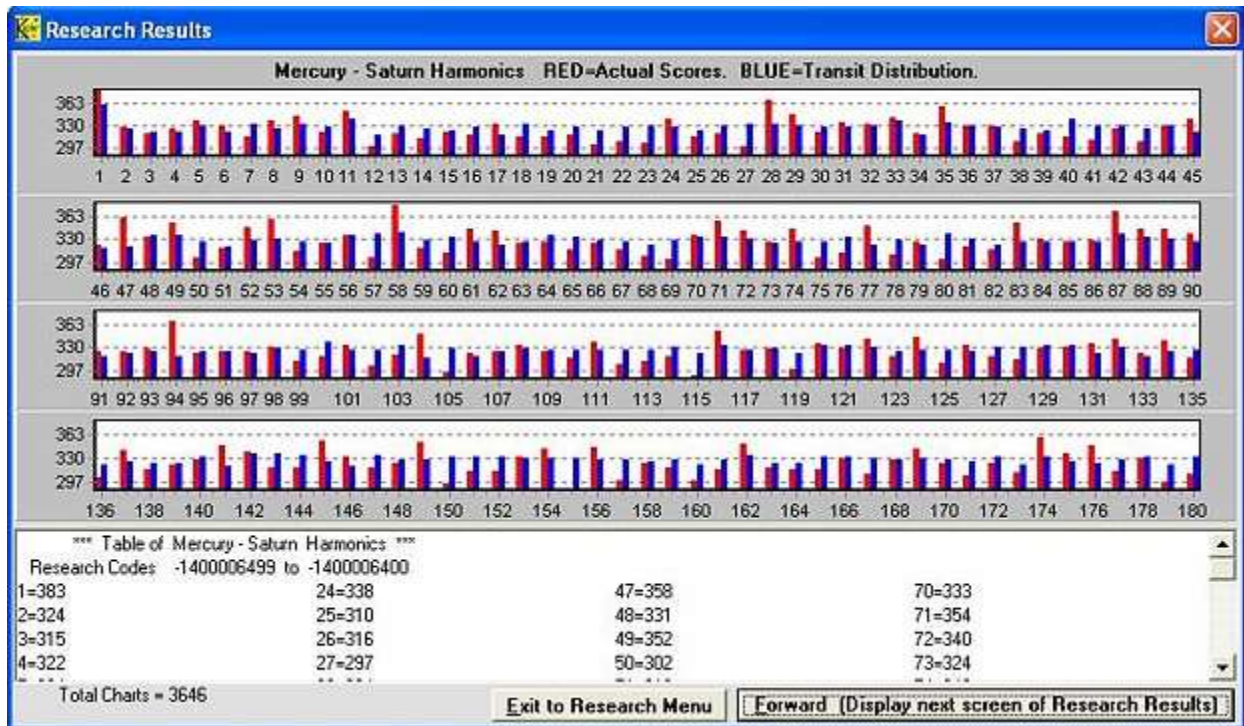
I set the orb for harmonic aspects to be 16 degrees in the harmonic chart, which means the actual orb in the chart is 16 divided by the harmonic.

- For example, the orb for 5th harmonic aspects is a little more than 3 degrees (i.e. 5 divided by 16). Because planets change speed, the probability of a particular aspect occurring is not easy to calculate, but an approximation is the orb times 2 (because the orb extends in two directions) times the number of degrees in the zodiac, or 360, times the number of charts, or $(32 / 360) * 3,646$, which equals about 328. I multiplied this by 1.1 to be about 10% higher than this, which is 357. Therefore, if a harmonic between two planets occurs 357 or more times it has occurred more 10% or more than would be expected by chance.

Graph of Mercury-Saturn harmonics:

Shown below is the graph of Mercury-Saturn harmonics for the 3,646 scientists.

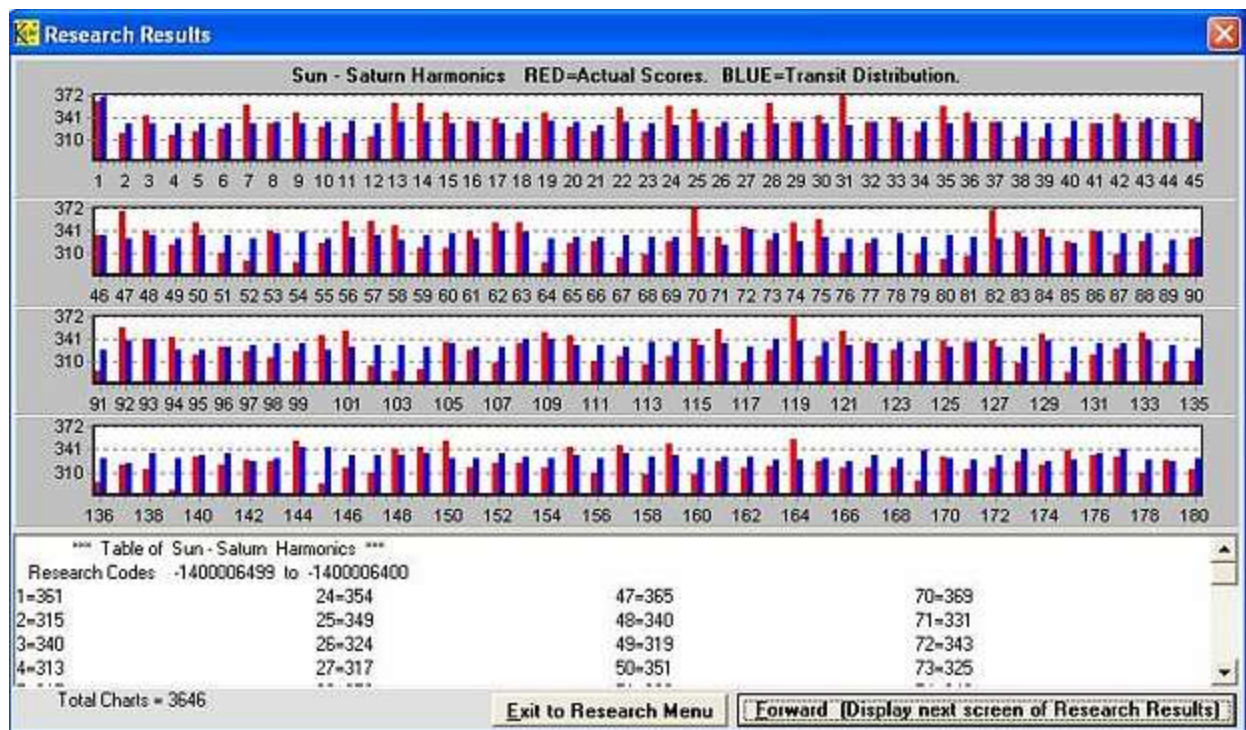
Below the graph is a list of the number of times each harmonic occurred. The 1st harmonic occurred 383 times, much more than 357 but notice that the blue bar for the 1st harmonic is very high also, showing that the first harmonic occurs more often by chance than other harmonics. The blue bars show the distribution of harmonic from 1850 to 1950, which are very approximately the range of dates of the people in the database. Notice that among the first 45 harmonics, the 28th and 35th harmonics extend far above the other scores. By scrolling down the list of scores a value of 364 for the 28th harmonic and 355 for the 35th harmonic is found. Because our cutoff point is 357 we include only the 28th harmonic in the list of harmonics that are 10% or more above the average.



Graph for Sun-Saturn harmonics:

Show below is the graph for Sun-Saturn harmonics for the scientists.

The [Kepler program](#), which is the software that I used to conduct this study allows me to adjust the relative height of the blue lines to the red line and I adjust them so that the peaks of the tallest red lines above the blue lines is conspicuous. By scrolling through the values below the graphs we find that the following harmonics occur 10% or more above expectation: 13, 14, 28, and 31. The 28th harmonic appears as one of the 4 highest scoring harmonics, the same harmonic that appears for Mercury-Saturn, and this is also a harmonic that appeared to be strong in a previous pilot study on mathematicians that I conducted. The Sun-Saturn 7th harmonic is also above average but is less than 10% above the average score so it is not included in our summary of frequently occurring harmonics.



LIST OF HARMONICS:

Shown below is a list of all harmonics that occurred more than 10% more than would be expected by average. An average score that is 10% above the expected average score for 1,528 painters is 149 (149.4), for 1,294 musicians is 127 (126.52), for 1,458 actors is 143 (142.56), and for 3,646 scientists is 357 (356.51). I looked at harmonics up to 45. The number 45 is somewhat arbitrary and happens to be how many harmonics appear on one line of the graphic report that I was looking at. In a few cases the control group values were not evenly distributed, most notably the first harmonic for some planetary pairs occurred frequently by chance, and harmonics for Jupiter-Saturn, a slow moving pair, were not as evenly distributed as other planetary pairs. The harmonics that occurred at least 10% more than would be expected by chance are:

Scientists	Painters	Musicians	Actors
3646 Total (min. 357)	1528 Total (min. 149)	1294 Total (min. 127)	1458 Total (min. 143)

Mer-Sat 28 (364)	Mer-Sat 23 (153)	Mer-Sat 10 (131)	Mer-Sat 3 (153)
27 (149)	25 (127)	15 (145)	
32 (158)	28 (127)	20 (144)	
45 (150)	39 (129)	27 (152)	
	42 (140)	29 (143)	
		30 (156)	

		31 (157)	
		43 (150)	
Sun-Sat 13 (359)	Sun-Sat 7 (157)	Sun-Sat 9 (128)	Sun-Sat 5 (149)
14 (358)	12 (160)	11 (128)	14 (144)
28 (358)	13 (156)	13 (127)	17 (147)
31 (372)	20 (152)	19 (131)	21 (144)
	21 (149)	22 (129)	22 (146)
	26 (156)	29 (135)	28 (153)
	40 (161)	31 (130)	34 (147)
		33 (131)	42 (150)
		44 (130)	43 (154)
Mar-Sat 7 (360)	Mar-Sat 5 (149)	Mar-Sat 4 (131)	Mar-Sat 33 (145)
10 (379)	19 (158)	9 (127)	37 (151)
13 (367)	20 (156)	35 (127)	39 (155)
14 (386)	31 (159)	41 (129)	44 (145)
28 (374)	33 (152)		
33 (368)	40 (159)		
41 (363)			
Ven-Sat (none)	Ven-Sat 8 (152)	Ven-Sat 22 (129)	Ven-Sat 17 (158)
	9 (152)	34 (127)	25 (144)
	10 (150)	38 (128)	34 (152)
	17 (157)	43 (129)	
	18 (150)	44 (133)	
	(note: 20=145,40=147)		
Moo-Sat 1 (372)	Moo-Sat 8 (156)	Moo-Sat 3 (135)	Moo-Sat 19 (146)
13 (368)	10 (150)	23 (130)	23 (146)
	20 (151)		
	40 (152)		
Jup-Sat 10 (359)	Jup-Sat 14 (150)	Jup-Sat 5 (127)	Jup-Sat 17 (148)
20 (363)	37 (151 but	6 (132)	39 (152)
23 (381)	high control)	7 (139)	
34 (358)	42 (151)	22 (140)	
		25 (130)	
		31 (128)	
		43 (144)	
		44 (133)	
Ven-Nep (none)	Ven-Nep 5 (151)	Ven-Nep 4 (131)	Ven-Nep 11 (153)
	14 (161)	11 (129)	26 (146)
	27 (157)	15 (137)	45 (154)
	28 (150)	31 (129)	
	38 (167)	45 (135)	

	39 (154)		
Sun-Nep 6 (357)	Sun-Nep 3 (150)	Sun-Nep 2 (128)	Sun-Nep 25 (158)
11 (357)	14 (150)	4 (133)	28 (146)
	25 (150)	8 (134)	29 (145)
	31 (155)	11 (133)	32 (144)
	39 (153)	21 (137)	34 (150)
		26 (135)	40 (147)
		41 (129)	
		42 (133)	

Number in **bold red** above are harmonics that appear to be occurring consistently. **I strive to develop a hypothesis that use a consistent set of rules.** A consistent set of rules is the use of similar planets and the same harmonics.

Given below are hypotheses for these 4 professions that use fairly consistent rules:

Scientists: Sun-Sat, Mer-Sat, and Mar-Sat in harmonics 14 or 28

Painters: Sun-Sat, Moo-Sat, Ven-Sat, and Mar-Sat in harmonics 10, 20 or 40

Musicians: Sun-Sat, Ven-Sat, Jup-Sat, Sun-Nep, and Ven-Nep in harmonics 11, 22, and 44

Actors: Sun-Sat, Ven-Sat, Jup-Sat and Sun-Nep in harmonics 17 or 34

These AstroSignatures use the same harmonics for all planetary pairs. There is also some consistency in the selection of planets: Saturn is involved in all pairs for scientists and painters. Saturn or Neptune is involved in all pairs for musicians and all pairs except one have Sun or Venus. All pairs for actors have Sun or Saturn involved.

It is also important that the hypothesis is consistent with astrological theory. I chose the particular planetary pairs shown above because in past research it appeared to me that the Sun is particularly important in determining propensities in careers. I was sometimes surprised to see certain aspects occurring frequently to the Sun in a particular vocation, but this seemed to occur frequently. Exploratory research is a step towards greater control and less bias in observations than in anecdotal evidence but one still makes observations and remains open-minded and observant, without being too narrowly focused and rigorous. Therefore, I cannot quantify these observations but I have noticed the importance of the Sun.

- Because science involves a thought process that involves structure and elimination of extraneous variables and clear analysis, I expected that Saturn would be important.
- I included Venus-Neptune because I thought it might be important in the arts, and
- I included Sun-Neptune because of the importance of the Sun and to have another aspect involving Neptune.

- Most pairs that I studied include Saturn because I suspected that the function of Saturn might be different in scientists than in people engaged in the arts (painting, music, acting).
- I believe that Moon and Saturn are inclined to solitude and might be important for painters, who usually work in quiet and solitude.

All 4 occupations have Sun-Sat in the hypothetical AstroSignature.

HARMONICS FOUND IN PILOT STUDY OF MATHEMATICIANS:

The 14th and 28th harmonics were found in a pilot study I conducted on mathematicians several years earlier. This pilot study on mathematicians also found that harmonics 7, 21, and 49 were important not only with Mercury-Saturn but also with Mercury-Mars, Mercury-Uranus, and Mercury-Pluto combinations.

EXPLORATORY RESEARCH ON GAUQUELIN DATA:

The current exploratory research on the Gauquelin data also obtained a similar, but not identical result, of 2 of these harmonics, the 14th and 28th only, being important also with Mercury-Saturn but also with Sun-Saturn and Mars-Saturn. This similar, but not identical, result, inclines me to think that Mercury and Saturn in 14th and 28th harmonics may be the most important of all of these combinations because these are the only aspects that are supported in both studies, and also astrological theory would suggest that Mercury and Saturn may be the most relevant combination of planets for scientific and mathematical thinking.

From anecdotal evidence I believe that Mercury and Saturn in 7-based harmonics like the 14th and 28th harmonics incline towards disciplined, introverted, abstract, and symbolic thinking. Combined with the Moon this can lead to an interest in mythology and symbolism but otherwise is inclined to study, research, and abstract thinking of various kinds, including mathematics and to abstract and research-oriented science. In my opinion science is an intensely Saturnian activity of eliminating extraneous variables and discovering the fundamental, reliable variables responsible for some kind of behavior

The 10th, 20th, and 40th harmonics are 5-based harmonics of creativity and play (from anecdotal evidence and study). The painters in the Gauquelin study are notable painters and I suspect that most of them are notable for their creative expression, not just for technical ability. Technical ability is a function more of 7th based harmonics, and creativity and expressiveness are functions of 5-based harmonics. I would not necessarily have expected specifically Sun, Moon, Venus, and Mars in aspect to Saturn in these 5-based harmonics, but it is in reasonable agreement with theoretical expectations. I also expected 7-based harmonics to be prominent in the charts of painters because painting is a quiet, disciplined, solitary activity and, in fact, there are a large number of 7-based harmonics: Sun-Saturn in harmonics 7 and 21, Jup-Sat in harmonics 21 and 42, Ven-Nep in harmonics 14 and 28, and Sun-Nep in harmonic 14. We could include Sun-Nep and Ven-Nep in the 14th harmonic and perhaps also the 28th harmonic, for

example, in our hypothetical AstroSignature for painters, but I felt the consistency of the effect was not very strong in that the Sun-Saturn involved two different 7-based harmonics and only the 14th harmonic is shared by two pairs, so I left it out.

I had not anticipated the emphasis on 11th, 22nd, and 44th harmonics in the charts of musicians, but the finding is consistent with the hypothetical influence that I have ascribed to the 11th harmonic from anecdotal evidence: a strong need for fulfillment, and Uranian, dynamic and unstable energy that is in constant motion. Music is a dynamic, moving art form. I would not expect people with strong 11-based harmonics to sit quietly and contemplatively for many hours painting, unless in some way the activity in some subtle way releases the needy dynamic inclinations of the 11th harmonic. Playing a musical instrument or singing are more obvious ways for the restless energy of the 11th harmonic to become productively engaged. Because the 11th harmonic seems to have a strong quality of yearning and the emphasis on musical expression of flowing and seeking emotional expression, release, or fulfillment, the association of 11th harmonic does seem fitting.

The emphasis of 17th and 34th harmonics in the charts of actors was also not anticipated, and this result may shed some light on the nature of the astrological influence of 17-based harmonics. The anecdotal evidence that I have gathered regarding the 17th and 19th harmonics has not been as conclusive as the lower prime number harmonics.

My tentative conclusions is that both of 17 & 19th harmonics are inclined towards an integrated, wholistic, sensitive, and non-linear approach to the world. Both harmonics are somewhat Neptunian in that they are sensitive, refined, and intuitive.

The 17th harmonic seems to have a somewhat more Venusian quality and the 19th harmonic a somewhat more Mercurial quality. Both harmonics, however, seem to integrate intelligence and artistic sensitivity in interesting ways. Aptitude and interest in humanities, arts, culture, and education appear to be strong, with a particularly strong tendency towards arts pursued in an intellectual or mental way. Interest in literature, different cultures, and a variety of experiences appears to be strong. The strong 17th and 34th harmonics in the charts of actors in the Gauquelin database is intriguing and certainly reasonable given the tentative indications of how the 17th harmonic may affect people.

Exploratory research is a small, but important, progressive step from anecdotal evidence. Most problems of selective perception, complexities of extraneous variables and complexities such as how we attract certain people, are mostly eliminated. However, we must still be cautious and realize that random fluctuations can occur, and I am not yet ready to draw more definitive conclusions regarding the 17th harmonic, and I am not as confident that the 17th harmonic aspects will appear more often in another group of actors. I am more confident about the other conclusions because previous pilots studies and anecdotal evidence more strongly support the results found.

Exploratory research, like anecdotal evidence, involves subjective evaluations and assessments that are not always based on clearly measurable results, and the conclusions I have drawn are largely influenced by subjective evaluations based on previous anecdotal evidence as well as the results of this research.

Further Refinement of Astrological Theory Can Require a Massive Database

I think that the vast majority of astrologers would agree with me that the influences in the astrology chart operate through the interaction and integration of a great many factors. The complex ways in which our environment and our decisions weave the tapestry of our lives, in combination with the impact of the astrological influences, is very difficult to break down into simple testable statements. In the research described above, combinations of two planets are used. This is very simplistic compared to reading the story written in the astrology chart. We can only find very modest correlations using databases of a few thousand people. With databases of tens of thousands or hundreds of thousands of charts it could be possible to look at, for example, harmonic patterns of 3 planets, or other kinds of combinations of 3 or more factors, or other ways in which a combination of astrological influences can combine together to create an inclination towards a particular vocation, other behavior, or trait.

EVALUATION RESULTS:

Evaluating and Testing the Hypothetical AstroSignatures Derived From Exploratory Research

Science AstroSignature for Scientists: The results of the Science AstroSignature for Scientists is shown below. The average score for scientists on the Science AstroSignature is 2.02222.

Gauquelin Data Scientist

Change Category / Keyword

Zodiac:
☒ Tropical
☐ Sidereal
Sort Order:
☐ Ascending
☒ Descending

New Search / AstroSignature

Select an AstroSignature

Customize Highlighted AstroSig

Stubborn, inflexible, predictable, dislikes changes
Flexible, adaptable, seeks variety, indecisive
Expansive, adventurous. Enjoys travel and exploring
Sense of duty and obligation. Conscience and guilt
conj fixed stars
Alcoholism susceptibility (hypothetical)
Image consultant (hypothetical)
Baseball pitcher (hypothetical)
Football quarterback (hypothetical)
One factor
Fixed Stars
My AstroSignature 1
Scientist New
Artist New
Moon Lat.
Scientists, from Gauquelin Data
New Logic, technical detail, mental concentration

Make selections here and click on "Begin Analysis". Results appear on the right.

Research Results

Average Score: 2.02222
Number of Charts: 3646

Highest to Lowest
Note: for Chart Wheel select View Score Details

26	Gauq. Scientist 3605
22	Gauq. Scientist 683
19	Gauq. Scientist 765
18	Gauq. Scientist 930
18	Gauq. Scientist 1896
18	Gauq. Scientist 2310
18	Gauq. Scientist 1561
18	Gauq. Scientist 3571
18	Gauq. Scientist 796
17	Gauq. Scientist 1038
17	Gauq. Scientist 1749
17	Gauq. Scientist 1831
17	Gauq. Scientist 1798
17	Gauq. Scientist 1621
17	Gauq. Scientist 3240
17	Gauq. Scientist 270
16	Gauq. Scientist 1114
16	Gauq. Scientist 3301
16	Gauq. Scientist 3493
16	Gauq. Scientist 1923
16	Gauq. Scientist 1380
16	Gauq. Scientist 48
15	Gauq. Scientist 2152

View Score Details

Save Results to File

Statistical Analysis:
☒ Correlation
☐ t-Test
☐ Artif. Intell.

Return to Previous Menu

Science AstroSignature for Painters: The results of the Science AstroSignature for Painters is shown below. The average score for Painters on the Science AstroSignature is 1.67408.

Gauquelin Data Painter

Change Category / Keyword

Zodiac:
☒ Tropical
☐ Sidereal

Sort Order:
☐ Ascending
☒ Descending

New Search / AstroSignature

Select an AstroSignature

Customize Highlighted AstroSig

conj fixed stars
Alcoholism susceptibility (hypothetical)
Image consultant (hypothetical)
Baseball pitcher (hypothetical)
Football quarterback (hypothetical)
One factor
Fixed Stars
My AstroSignature 1
Scientist New
Artist New
Moon Lat.
Scientists from Gauquelin Data
New Logic, technical detail, mental concentration
Earth Element
Air Element
Water Element

Make selections here and click on "Begin Analysis". Results appear on the right

Research Results

Average Score:

1.67408

Number of Charts:

1528

Highest to Lowest

Note: for Chart Wheel select View Score Details

20 Gauq. Painter 936

17 Gauq. Painter 300

16 Gauq. Painter 85

16 Gauq. Painter 84

15 Gauq. Painter 1050

15 Gauq. Painter 1385

15 Gauq. Painter 1375

15 Gauq. Painter 812

15 Gauq. Painter 713

14 Gauq. Painter 769

14 Gauq. Painter 1082

14 Gauq. Painter 1463

14 Gauq. Painter 825

14 Gauq. Painter 392

14 Gauq. Painter 93

13 Gauq. Painter 1422

13 Gauq. Painter 1110

13 Gauq. Painter 419

12 Gauq. Painter 1401

12 Gauq. Painter 707

12 Gauq. Painter 513

11 Gauq. Painter 886

11 Gauq. Painter 1006

View Score Details

Save Results to File

Statistical Analysis:

Correlation

t-Test

Artif. Intell.

Return to Previous Menu

Science AstroSignature for Musicians: The results of the Science AstroSignature for Musicians is shown below. The average score for Musicians on the Science AstroSignature is 1.85085.

Gauquelin Data Musician

Change Category / Keyword

Zodiac:
☒ Tropical
☐ Sidereal
Sort Order:
☐ Ascending
☒ Descending

New Search / AstroSignature

Select an AstroSignature

Customize Highlighted AstroSig

conj fixed stars
Alcoholism susceptibility (hypothetical)
Image consultant (hypothetical)
Baseball pitcher (hypothetical)
Football quarterback (hypothetical)
One factor
Fixed Stars
My AstroSignature 1
Scientist New
Artist New
Moon Lat.
Scientists, from Gauquelin Data
New Logic, technical detail, mental concentration
Earth Element
Air Element
Water Element

Make selections here and click on "Begin Analysis". Results appear on the right.

Research Results

Average Score:

1.85085

Number of Charts:

1294

Highest to Lowest
Note: for Chart Wheel select View Score Details

26 Gauq. Musician 1481

20 Gauq. Musician 2312

19 Gauq. Musician 1677

18 Gauq. Musician 2553

18 Gauq. Musician 1608

17 CARON Nelly

16 Gauq. Musician 1756

16 Gauq. Musician 1800

16 Gauq. Musician 2275

16 Gauq. Musician 1637

16 Gauq. Musician 1479

15 Gauq. Musician 2298

15 Gauq. Musician 2482

15 Gauq. Musician 1772

14 Gauq. Musician 2390

13 Gauq. Musician 2577

13 Gauq. Musician 2352

13 Gauq. Musician 1890

12 Gauq. Musician 1846

12 Gauq. Musician 1679

11 Gauq. Musician 2559

11 Gauq. Musician 2383

10 Gauq. Musician 2294

View Score Details

Save Results to File

Statistical Analysis:

Correlation

t-Test

Artif. Intell.

Return to Previous Menu

Science AstroSignature for Actors: The results of the Science AstroSignature for Actors is shown below. The average score for Actors on the Science AstroSignature is 1.90192.

Research: AstroSignature

Gauquelin Data Actor

Change Category / Keyword

Zodiac: ☒ Tropical ☐ Sidereal Sort Order: ☐ Ascending ☒ Descending

* New Search / AstroSignature

Select an AstroSignature Customize Highlighted AstroSig.

conj fixed stars
 Alcoholism susceptibility (hypothetical)
 Image consultant (hypothetical)
 Baseball pitcher (hypothetical)
 Football quarterback (hypothetical)
 One factor
 Fixed Stars
 My AstroSignature 1
 Scientist New
 Artist New
 Moon Lat.
Scientists, from Gauquelin Data
 New Logic, technical detail, mental concentration
 Earth Element
 Air Element
 Water Element

Make selections here and click on "Begin Analysis". Results appear on the right.

Begin Analysis

Research Results

Average Score: **1.90192** Number of Charts: **1458**

Highest to Lowest Note: for Chart Wheel select View Score Details

17	GIRARDOT Annie
17	Gauq. Actor 402
17	Gauq. Actor 352
16	Gauq. Actor 472
16	Gauq. Actor 952
16	Gauq. Actor 1125
16	Gauq. Actor 1113
16	Gauq. Actor 336
15	Gauq. Actor 768
15	Gauq. Actor 895
15	Gauq. Actor 643
15	Gauq. Actor 110
14	Gauq. Actor 1212
14	Gauq. Actor 1028
14	Gauq. Actor 533
13	Gauq. Actor 71
13	Gauq. Actor 133
13	Gauq. Actor 67
12	Gauq. Actor 495
12	Gauq. Actor 243
12	Gauq. Actor 141
12	Gauq. Actor 1107
12	Gauq. Actor 1344

View Score Details Save Results to File

Statistical Analysis: Correlation t-Test Artif. Intell.

Return to Previous Menu

A TEST OF THE SCIENCE ASTROSIGNATURE

Here is a summary of the average AstroSignature scores for the **Science AstroSignature**:

Scientists 2.02222

Painters 1.67408

Musicians 1.85085

Actors 1.90192

A t-test comparing the AstroSignature scores of these groups produced these results:

Scientists and Painters .001 level statistical significance

Scientists and Musicians .05 level statistical significance

Scientists and Actors .05 level statistical significance

Even though the score for scientists of 2.02 does not seem tremendously greater than 1.9 for actors it is statistically significant at the .05 level, which means the probability of these results occurring by chance is less than 5%.

These results are encouraging in that an earlier pilot study had also found the 14th and 28th harmonics to be important in the charts of mathematicians. We might expect that there is similarity between scientists and mathematicians because scientists generally are well educated in mathematics as well. However, the higher score for musicians and actors than for painters is surprising because the solitary, quiet, disciplined, introverted work of the painter would have been expected to correlate better with these 7-based harmonics than for musicians and actors. Therefore, I conclude that this exploratory research is moderately, but not greatly, hopeful of being replicated in future studies. Again, in exploratory research, there is an element of subjective evaluation, just as there is with anecdotal evidence. It is only when we advance our research to the level of a scientific experiment that we test a hypothesis clearly for validity or invalidity.

A Test of the Painter AstroSignature

I created the AstroSignature given earlier for Painters in the Kepler 7 software. This AstroSignature is:

Sun-Sat, Moo-Sat, Ven-Sat, and Mar-Sat in harmonics 10, 20 or 40

I then produced Painter AstroSignature scores for the 4 professional groups in the Gauquelin data. Given below are the average scores for the **Painter AstroSignature**:

Scientists 3.22463

Painters 3.50720

Musicians 2.92040

Actors 2.87380

A t-test comparing the AstroSignature scores of these groups produced these results:

Painters and Scientists .05 level statistical significance

Painters and Musicians .001 level statistical significance

Painter and Actors .001 level statistical significance

All 3 comparisons to painters produced statistically significant results, which confirms that painters in the Gauquelin database do have these astrological influences occurring in their charts more often than would be expected by chance. The .001 level of significance means the probability of these results occurring is less than 1 in 1,000. However, this is exploratory

research, and no hypothesis was clearly stated at the outset of the research. Because a consistent AstroSignature that is reasonably in accordance with astrological theory is used, as discussed above, there is some reason to expect that this finding could be replicated with a new group of charts of painters. The fact that scientists had scores that deviated less from painters than musicians is perhaps somewhat surprising in that the creativity, play, and expressiveness of performing music is more inclined to some form of artistic expression than scientific expression from my anecdotal evidence. Therefore, the results are not completely and unequivocally supportive of a coherent astrological theory, but the results are, I think, indicative that these results might be able to also be obtained in a scientific experiment.

Note also that the Gauquelin data was obtained in a fairly unbiased manner and the data was certainly never analyzed for these influences by the Gauquelins. The parents have no way of adjusting or rounding off birth times to create a spurious result, as Geoffrey Dean has hypothesized is possible with the results for diurnal position of the planets. This is true not only for the Painter AstroSignature but all 4 AstroSignatures presented in this paper.

A Test of the Musician AstroSignature

I created the AstroSignature given earlier for Musicians in the Kepler 7 software. This AstroSignature is:

Sun-Sat, Ven-Sat, Jup-Sat, Sun-Nep, and Ven-Nep in harmonics 11, 22, and 44

I then produced Musician AstroSignature scores for the 4 professional groups in the Gauquelin data. Given below are the average scores for the **Musician AstroSignature**:

Scientists 4.11739

Painters 4.16558

Musicians 4.58346

Actors 4.07682

A t-test comparing the AstroSignature scores of these groups produced these results:

Musicians and Scientists .01 level statistical significance

Musicians and Painters .05 level statistical significance

Musicians and Actors .01 level statistical significance

In this case the results are much more uniform for the other 3 professional groups: scientists, painters, and actors have an average score ranging from 4.1 to 4.2 (rounded to 1 decimal), while musicians have an average score of 4.6. As with the other comparisons, the results are statistically significant. Although, as discussed above, the 11th harmonic does appear to be

appropriate for being strong in the charts of musicians but I had never associated the 11th harmonic directly with an inclination to music in the past. So even though this finding is very impressive, we still need to consider that it is still possible that the result is an extremely unusual deviation from normal chance. This result, in particular, would be most interesting to follow up on in a study, and, in particular, I would expect that performers, especially of jazz, rock, or other rhythmic and free-flowing nature may especially correlate with these 11th harmonic patterns.

A Test of the Actor AstroSignature:

I created the AstroSignature given earlier for Actors in the Kepler 7 software. This AstroSignature is:

Sun-Sat, Ven-Sat, Jup-Sat and Sun-Nep in harmonics 17 or 34

I then produced Actor AstroSignature scores for the 4 professional groups in the Gauquelin data. Given below are the average scores for the **Actor AstroSignature**:

Scientists 2.43006

Painters 2.54385

Musicians 2.51082

Actors 2.73457

A t-test comparing the AstroSignature scores of these groups produced these results:

Actors and Scientists .02 level statistical significance

Actors and Musician .05 level statistical significance

Actors and Painters .05 level statistical significance

CONCLUSIONS

The most important conclusion of this research is that astrological influences that correlate with success in various professions were identified! The following astrological influences analyzed as a combination of factros (AstroSignatures) were found to be statistically significant among 4 professional groups in the Gauquelin data. The AstroSignatures which correlate with statistical significance with these professions are:

Scientists: Sun-Sat, Mer-Sat, and Mar-Sat in harmonics 14 or 28

Painters: Sun-Sat, Moo-Sat, Ven-Sat, and Mar-Sat in harmonics 10, 20 or 40

Musicians: Sun-Sat, Ven-Sat, Jup-Sat, Sun-Nep, and Ven-Nep in harmonics 11, 22, and 44

Actors: Sun-Sat, Ven-Sat, Jup-Sat and Sun-Nep in harmonics 17 or 34

Because the astrological influences discovered are reasonably consistent with astrological theory, were not tweaked or adjusted to fit the data, this research study very strongly suggests that there are some astrological principles which are valid, and some of these valid astrological influences have been clearly identified. Because this study is an exploratory study, i.e. the a very specific hypothesis was not stated prior to the collection and analysis of the data, this study does not constitute scientific validation of astrology, but it may be a stepping stone towards this end. A replication of any of the findings in this study on a new collection of charts would transform astrology from a collection of anecdotal evidence to a coherent system of ideas that can be validated, improved, and reliably applied.

The studies described in this paper demonstrate that exploratory research, given proper software and sufficient data, can produce an AstroSignature (combination of astrological factors) that:

1. Is compatible with astrological theory, which is especially impressive because the assumptionless research approach taken in this study had no assumptions other than to observe what aspect patterns (i.e. harmonics) up to the 45th harmonic appeared the most frequently in 4 professional groups,
2. Is composed of a consistent set of astrological influences rather than "cherry-picked" individual influences. For example, a set of all aspects with the same denominator and involving similar planets are used in the AstroSignatures presented in this paper,
3. As compared to other professional groups, occur at a statistically significant rate in the identified professional group,
4. Can be replicated by gathering data, and
5. Is relatively free of biases that could be possible from prior knowledge of the subjects of the study or other biases. Because the astrological influences used in this study are not used in the astrological work of most astrologers and tend to have random distributions, problems such as time of day of birth, prior knowledge of subjects, etc. that have plagued other astrological research are less likely to be of importance in studies similar to the one conducted in this research.

The greater complexity of astrological analysis involved with the use of harmonic aspects implies that astrological influences operate via a vastly more complex system of relationship than is employed by the great majority of astrologers. Ptolemaic aspects, for example, did not appear in the data as particularly important.

The assumptionless research methods utilized here involved few a priori assumptions, other than the possibility of aspect patterns being significant, and given that assumption the influences that surfaced as most important are regarded as minor or insignificant by many astrologers.

The paradigm that I use for understanding astrology is that astrological influences work via a complex network of interactions. The network is so extraordinarily complex that functions almost as an intelligent system that can adapt, respond, and develop in a large number of circumstances. The network is extraordinarily resilient and every person has energies that are accessible for application to a wide variety of activities and professions. Anyone can develop a reasonable proficiency in a wide range of subjects, and can utilize clear logic, intuition, creative thinking, empathy, and a host of other qualities and talents regardless of their date and time of birth. This is possible because the complex tapestry of astrological influences provides great flexibility and adaptability. Nevertheless, despite this great flexibility and adaptability, certain lines of development and behavior are indicated when the person can tap the unique potential that is uniquely his or hers.

This complex tapestry of energies, in combination with genetic, environmental, and possibly other influences explains how it is that twins, and also time twins, can often be very different. However, we can expect that there is a particular range of expressions so that time twins (people born at nearly the same time and in the same city or town) will share some range of similar experiences so that, for example, 100 time twins born at a particular time and place may have an inclination to a behavior or in characteristics in a dozen or so different areas. 100 time twins born at a different time and place may have an inclination to a constellation of other behaviors and traits. Further research will bear out whether this hypothesis is true.

Astrologers continue to make statements that are falsifiable, such as the statements regarding behavioral tendencies associated with various different astrological influences, and it is the responsibility of astrologers to determine whether these falsifiable statements can be confirmed by research. The studies presented in this paper demonstrate that astrological theory of a more complex and sophisticated kind may be commonly employed, does have the potential of being verified through empirical research. There is still the possibility that astrological concepts will be scientifically validated in the future, regardless of the skepticism of both cynics of the scientific method applied to astrology both from astrologers and skeptics.

Most importantly, this paper underscores the importance of exploratory research with the use of proper software and databases for advancing the field of astrology.

In early 2008 I will be presenting another study using exploratory research that I have conducted, but which I have not finished writing down the findings and completing some minor details. In this study gold prices are analyzed and, as is similar to the findings in this paper, a consistent set of astrological rules was identified that is able to forecast gold prices with statistical significance. This is another very important step forwards for astrology and may

possibly be a step for a breakthrough in astrology to a new level of sophistication, accuracy and usefulness. The fact that AstroSignatures can be found in the data and then verified to have statistical significance is an extraordinary step forward for the field of astrology and has been made possible only through the recent availability of data and software that can perform the analysis.

Considerable training is also required for the astrological researcher to master the concepts and expertise necessary to successfully conduct this kind of research. We are hoping to have sufficient time and resources to allocate to training interested persons in the future. Adequate training to become competent in this kind of research can take somewhere in the range of 25 to 75 hours, depending on the level of expertise desired, assuming the student is well-versed in astrological theory and the fundamental concepts of scientific research before participating.

Exploratory research can never be completely automated by a computer; the process of discovery requires finesse, sensitivity, and expertise to make important observations and track down potentially important information. The final step of research, a scientific experiment, does not require as much training of this nature because at this point conclusions are drawn more simply, logically, and directly from previous studies using a well-defined conceptual framework, but exploratory research requires a combination of scientific rigor and sensitive awareness and insight with a delicate and refined expertise in the methods employed.