INTRODUCTION

We are the Astrological Investigators or affectionately known as the Gators. The Gators are led by world-renowned astrologer Alphee Lavoie. This study was performed using the Fast Research module of the Air Software developed by Alphee Lavoie (www.alphee.com). The software was specifically designed for statistical astrological research. The goal of the group is either confirm astrological hypothesis or disprove them with respect to health, wealth, weather prediction, marriage and other techniques used by astrologers. Alphee and I both come from scientific backgrounds with engineering degrees. Alphee has had statisticians as part of research group as well as guiding the construction of the software.

ABSTRACT

The astrological chart is an assessment of a person's potential in various facets of life such as career, relationships and as well as health. The purpose of this study is to determine the astrological characteristics or signature that appear in the birth charts of people who have diabetes.   Once a signature is established, it can be used to help predict the potential of diabetes in a subject using their birth chart. The key point being this is the subject's *potential* for diabetes.

There are two types of diabetes: Type 1 and Type 2. The website www.diabetescarecommunity.ca defines the two as:

"Type 1 diabetes usually appears between early childhood and adolescence. In type 1 diabetes, the body's immune system destroys the cells in the pancreas that produce insulin. Without insulin the body's cells cannot absorb glucose which is required to produce energy. Deprived of energy, the body may also begin to burn its own fat as a substitute, leading to the build-up of harmful chemicals in the blood, known as ketones.

Type 2 diabetes can develop at any age but usually appears in adulthood. However, we are seeing an increase in children being diagnosed with type 2 diabetes. In type 2 diabetes, the body loses its ability to use insulin. This is called insulin resistance. Over time the pancreas may make less and less insulin."

Type 2 can also be brought on by obesity, alcoholism and other such lifestyle and dietary conditions.

The data that we were able to collect did not make a distinction between the types of diabetes both are related to the pancreas and insulin. There were 97 charts in this study. While this is not a significant sample size, we would like to determine if any significant characteristics can be discovered.   The charts used in this study have an AA Roden ranking, meaning the time of birth is very accurate.

According to Rex Bill's Rulership book, the planets Jupiter and Venus signify diabetes. Venus is listed as the ruler of the pancreas which is the organ which creates insulin and insulin is ruled

by Jupiter.   The approach used in the study is to examine the factors around Jupiter and Venus first individually and then making a combined model.

The initial stages of the analysis is to determine the key factors that result in diabetes as well as the key factors that do not result in diabetes. These results will be the input to the Neural Net artificial intelligence module to create a predictive model.   The Neural Net model will be tested against the 97 sample charts and then compared to a set of data of people who do not have diabetes.

The control group used in this analysis was set to a 50 to 1 ratio. This means for every diabetic chart there were 50 random charts created.

ASTROLOGICAL CRITERIA

- Placidus house system
- ±5º orbs
- Modern rulership
- Ptolemaic aspects only

We want to keep the results to just the astrological basics without introducing any midpoints or other complex astrological techniques.

We also took the Ascendant sign which is a person's vitality as well as the sign of the 6th house of illness.

THE RESULTS

ASC & SIXTH HOUSE

There were 6 events that registered as significant, 3 of which were positive indicators.

EVENT	CHi SQ	PROB	STAT
Scorpio Ascendant	8.4	99.60%	OFTEN
Taurus Ascendant	5.7	98.30%	OFTEN
6th House in Earth Signs	3.4	93.50%	OFTEN
Cancer Ascendant	6.7	99.10%	SELDOM
Sagittarius on 6th House	4.5	96.60%	SELDOM
Leo on 6th House	2.7	90.20%	SELDOM

JUPITER

There were 29 events that registered as significant, 16 of which were positive indicators.

EVENT	CHi SQ	PROB	STAT
Jupiter is in the Eastern Hemisphere	6.7	99.10%	OFTEN
Jupiter is conjunct the Sun	5.8	98.40%	OFTEN
Jupiter makes aspects to Saturn 3rd house ruler	5.2	97.80%	OFTEN
Jupiter makes aspects to Pluto 12th house ruler	5.1	97.70%	OFTEN
Dispositor of Jupiter is Capricorn	4.8	97.10%	OFTEN
Jupiter makes aspects to Pluto Ascendant ruler	4.7	96.90%	OFTEN
Jupiter makes aspects to Mars 5th house ruler	4.5	96.70%	OFTEN
Jupiter is opposite Mars	4.4	96.30%	OFTEN
Jupiter is in the same sign as the Sun	4.3	96.20%	OFTEN
Jupiter makes aspects to Mercury 8th house ruler	4.3	96.10%	OFTEN
Jupiter is in the 1st house	4	95.40%	OFTEN
Jupiter is in the 10th house	3.6	94.10%	OFTEN
Jupiter makes aspects to Neptune 4th house ruler	3.6	94.10%	OFTEN
Jupiter makes aspects to Venus 9th house ruler	3.6	94.10%	OFTEN
Jupiter sextiles Uranus	3.4	93.60%	OFTEN
Jupiter is 5 signs away from the Moon	2.9	91.40%	OFTEN
Jupiter makes aspects to Venus 7th house ruler	2.8	90.40%	OFTEN
Dispositor of Jupiter makes an aspect to Mars	2.7	90.20%	OFTEN
Jupiter makes aspects to Pluto 4th house ruler	2.6	89.20%	OFTEN
Jupiter is conjunct Mars	2.5	88.40%	OFTEN
Jupiter is 5 signs away from Saturn	2.5	88.90%	OFTEN
Jupiter makes aspects to Venus 6th house ruler	2.5	88.60%	OFTEN
Jupiter is 10 signs away from Saturn	2	84.50%	OFTEN
Jupiter is the 7th	8.6	99.70%	SELDOM
Jupiter is in the western Hemisphere	8.6	99.70%	SELDOM
Jupiter is 1 sign away from the Sun	6.7	99.10%	SELDOM
Jupiter is 8 signs away from Moon	4.4	96.30%	SELDOM
Dispositor of Jupiter makes an aspect to Sun	4.3	96.30%	SELDOM
Venus squares Jupiter	3.8	94.80%	SELDOM
Jupiter is 11 signs away from the Moon	2.9	91.00%	SELDOM
Jupiter trines the Ascendant	2.8	90.60%	SELDOM
Jupiter is 8 signs away from Mars	2.7	89.70%	SELDOM
Jupiter sextiles Mars	2.4	87.60%	SELDOM
Dispositor of Jupiter makes an aspect to Venus	2.2	86.40%	SELDOM
Jupiter is 1 sign away from Saturn	2.2	86.20%	SELDOM

VENUS

There were 29 events that registered as significant, 16 of which were positive indicators.

EVENT	CHi SQ	PROB	STAT
Venus is in the 11th house	4.9	97.40%	OFTEN
Venus is 5 signs from Saturn	4.9	97.30%	OFTEN
Venus makes aspects to Pluto ruler of 12th house	4.3	96.20%	OFTEN
Venus makes aspects to Jupiter ruler of 2nd house	3.9	95.10%	OFTEN
Dispositor of Venus is in the 11th house	3.7	94.40%	OFTEN
Dispositor of Venus makes aspects to Venus	3.6	94.20%	OFTEN
Venus is 10 signs from the Moon	3.5	94.10%	OFTEN
Venus makes aspects to Pluto ruler of Ascendant	3.4	93.30%	OFTEN
Venus squares the MC	3	91.50%	OFTEN
Venus is 11 signs from the Sun	2.9	91.10%	OFTEN
Venus makes aspects to Mars ruler of 5th house	2.8	90.80%	OFTEN
Venus squares Saturn	2.2	86.40%	OFTEN
Venus is 4 signs from Mars	2	84.30%	OFTEN
Venus aspects the Ascendant	7.3	99.30%	SELDOM
Venus is 4 signs from the Moon	7.1	99.20%	SELDOM
Venus s in the 6th house	6.6	99.00%	SELDOM
Venus trines the Ascendant	6.1	98.70%	SELDOM
Venus is 2 signs from Saturn	6	98.60%	SELDOM
Dispositor of Venus is in Sagittarius	5.5	98.10%	SELDOM
Sun rises before Venus	4.8	97.10%	SELDOM
Dispositor of Venus is in the 6th house	4.7	96.90%	SELDOM
Dispositor of the Venus is the Sun	3.8	94.70%	SELDOM
Venus is 2 signs from Mars	3.6	94.30%	SELDOM
Venus squares the Ascendant	3.4	93.50%	SELDOM
Venus is in Earth Houses (2, 6, 10)	3.4	93.60%	SELDOM
Venus aspects Uranus	3.3	92.80%	SELDOM
Venus is 9 signs from the Moon	3.3	93.10%	SELDOM
Venus in Leo	3.3	93.10%	SELDOM
Venus squares Jupiter	3.1	92.30%	SELDOM
Venus squares the Moon	3	91.80%	SELDOM
Venus is in the lower hemisphere	3	91.80%	SELDOM
Venus is 8 signs from Mars	2.9	91.30%	SELDOM
Venus is 7 signs from Saturn	2.9	91.30%	SELDOM
Dispositor of Venus is in the 2nd house	2.7	89.80%	SELDOM
Dispositor of Venus is in the 1st house	2.6	89.30%	SELDOM
Venus is 2 signs from Mercury	2.6	89.00%	SELDOM

Dispositor of Venus is in the 3rd house	2.4	87.50%	SELDOM
Venus conjunct the Sun	2.3	87.30%	SELDOM
Venus makes an aspect to the Sun	2.3	87.30%	SELDOM

NEURAL NETWORK ANALYSIS

Neural Net is also called a Black Box model because what happens between the input and output is not known. The Fast Research programme has the capability to take all the contributors from the analysis based on what occurs often and what occurs seldom and develop a Neural Network which can predict the outcome based on all aspects of the chart. The inputs are weighted. The model is set up to assign Chi Squares of 4 or greater a weighting of +10 or -10 depending on if it happens often or seldom. Chi Squares of 2-3.99 are weighted at +/-5.

The input data for the model, 97 diabetes charts, is randomly divided into a learning group (75%) and the testing group (25%).   The concept of the Neural Net is to have it converge such that the learning group meets the yes condition 99% of the time and the test group meets the yes condition over 85%.   The accuracy of the model is verified such that the diabetes charts should score "Yes" and any non-diabetes charts scoring "No".

Black Box models were created for Jupiter, Venus and the combine results of both Jupiter and Venus.

None of the models converged to 99% for the Learning and 80% for the testing. The Venus model performed better than the Jupiter Model. Venus was 85% for learning while Jupiter was 65%. The combined models got to 95%.   There is greater accuracy when models converge.

Figure 1, below, is a sample of the Neural Net output for diabetes. A positive chart for diabetes, YES, will result in a completely coloured bar with no background showing. Small blue bar to the left with the white background shows a negative result or a NO result. A partial bar approximately 75% to the right will be considered a positive result.   Column one has the chart being examined. D is our code for diabetes. The second column has the results for the Jupiter and Venus combined, the next column are the results for the Jupiter model and the last is for Venus.
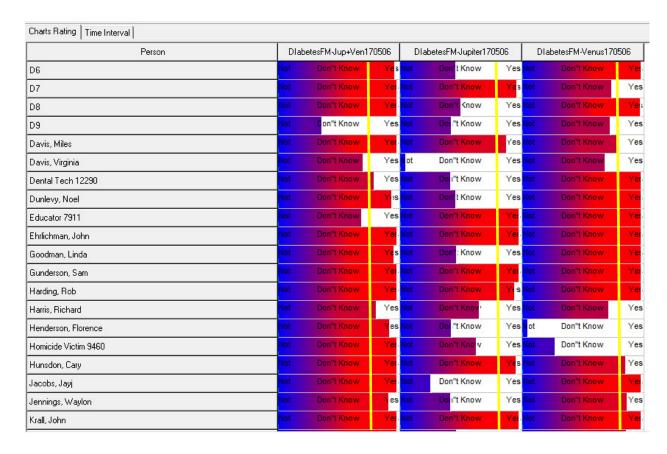
Figure 1: Neural Net for Diabetes Charts

The Venus model predicted 82% of the 97 diabetics, while the Jupiter model predicted 60%. The combined model predicted 88% suggesting that the combination of Venus and Jupiter will predict diabetes.

Since, the analysis used a randomly generated control group, there is no way to verify a non-diabetic result. A good model should not get any YES results for people without diabetes. The results expected would be a small blue bar or mainly white background.

Without knowing people's medical conditions it would difficult to determine if they have diabetes or not. We chose athletes because it can safely assumed most athletes would not have diabetes. While there are exceptions, a majority of athletes are not diabetic. We need to keep in mind, that while these athletes are not known to have diabetes, they may still have the potential for the condition. Figure 2 below is a sample of the Neural Net results for a group of athletes.

In this analysis, 25% and lower will be considered a No result.

Person	DiabetesFM-Jup+Ven170507			DiabetesFM-Jupiter170507			DiabetesFM-Venus170507		
ROSE,PETE	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
ROSE,PETE	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
ROSSI,PAOLO	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
ROWE,RUTH	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
SELES,MONICA	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
SHANNON,ROBERT	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
SIMEONI,SARA	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
SIMPSON,O.J.	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
SPITZ,MARK	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
STEINKRAUS,BILL	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
STONES,DWIGHT	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
SUMNERS,ROSALYNN	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
TALAVERA,TRACEE	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
TANNER,ROSCOE	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
TUTTLE,JOHN	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
TWIGG,REBECCA LYNN	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
TYSON,MIKE	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
VIRGIN,CRAIG	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
WASHINGTON,RAINA	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes
ZAYAK,ELAINE	Not	Don"t Know	Yes	Not	Don"t Know	Yes	Not	Don"t Know	Yes

Points of Interest

Of the athletes that rank Yes for diabetes, Monica Seles suffered from Binge Eating Disorder (BED).   We can only wonder that if she was not an athlete would she have become obese leading to Type 2 diabetes.

The other is Mike Tyson. He was over 400lbs (181 Kg) and eating an unhealthy diet including a large amount of fast food (high in sugar) when switched over to a Vegan diet several years ago possibly sparing himself from getting diabetes.

CONCLUSIONS

General

While some of the results are promising the main conclusion is that 97 charts are not enough to for a proper analysis of diabetes. We would have to collect more charts. As more charts are added to the analysis, some of the contributors may shift and Chi Square values may change.

An additional

From the attributes used to build the Neural Net

- Scorpio Ascendants have a high probability to have diabetes and especially if Venus or Jupiter are aspecting Pluto.
- Jupiter-Venus aspects are high contributors.

Neural Net Results

From the Neural Net analysis, we can concluded:

- Venus is a better indicator of diabetes than Jupiter is and the combination of the works better.
    - This is logical as a malfunctioning pancreas (Venus) is at the root of the illness and its output, insulin (Jupiter) is not being produced. Therefore, it is logical that a model using a combination of the two would perform better than the individuals.
- The models did not converge the way they were expected to so we can suggest that Jupiter or Venus attributes alone cannot determine diabetes. These results could improve with additional charts.
- The analysis can be run using athletes as a control group.