

# Architectural Representation for Inference rules generation for Astrological Predictions using induction of Horoscope Charts

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## Abstract

Astrology not only specifies the future prediction, but also the past activities happened in our life. Astrology is the subset of Astronomy which represents our Galaxy system. Although saying that Astrology had 40 Decades of age, its origin was in Krutayuga. Horoscope chart is an Astrological representation that contains the movement of Nine planets (Navagrahas) located in twelve houses (Rashis) with periodic positional movements. In Horoscope representation some houses might be empty and others contain one or more planets.

Horoscope comprises of various charts such as Lagna, Amsha, Bhava and so on and by using these charts we can predict in various ways. Assumption that any astrological prediction is about 70% of accuracy, but the number of believers increasing as well as with proportionate rejectors. Artificial Intelligence is an interdisciplinary domain, most widely using in various fields. It is also very useful to develop inference engine for Astrological predictions.

The current paper specifies the Architectural overview for Astrological Inference engine that uses person's Date of Birth using Horoscope Charts. Because of Astrology is having vast scope and so predictions happened in various aspects such as studies, profession, colour complexion, assets and liabilities, marriage and so on.

Methodologies such as zeroR, Simple Cart, Decision Table, Case Based Reasoning were used to evaluate some scope. Machine Learning algorithms such as Support Vector machines, Linear Regression, Logistic Regression and so on are useful to compute the Astrological predictions. Using Astrology, country's growth also be predicted using current positioning of Nine Planets. Training and Test sets are going to be used in designing inference rules. Predictive Modelling is the centre to evaluate inferences.

**Keywords:** Astrology, Horoscope, Artificial Intelligence, Case Based Reasoning, Machine Learning, Predictive Modelling.

## INTRODUCTION

Astrology was one of the oldest domains whose origin was in Krutayuga. Astrology is not only a simple prediction analysis, but also have computations for huge aspects in our daily life such as the mindset, study, childhood, job, place of working, profession, marriage, assets or liabilities, probability of children, health and so on. Astrology is having increase of believers with traditional facts and refuses also as of lack of standardized facts[1].

Horoscope is the representation for Astrological concepts, which are represented with Nine Planets positioning in Twelve Houses (each one represents one Rashi). Astrology's another benefit is specifying country's Political, Defence, Agricultural like issues.

Artificial Intelligence concepts such as Knowledge Databases, Expert Systems like concepts are going to be used to generate Inference rules and engine. Some surveys regarding the information extraction also gathered Road side or cordon interviews[2]. In case of Astrology we extract information by analysing training set to develop a model and Test set to assess the developed model to identify the prediction accuracy as per the figure1.

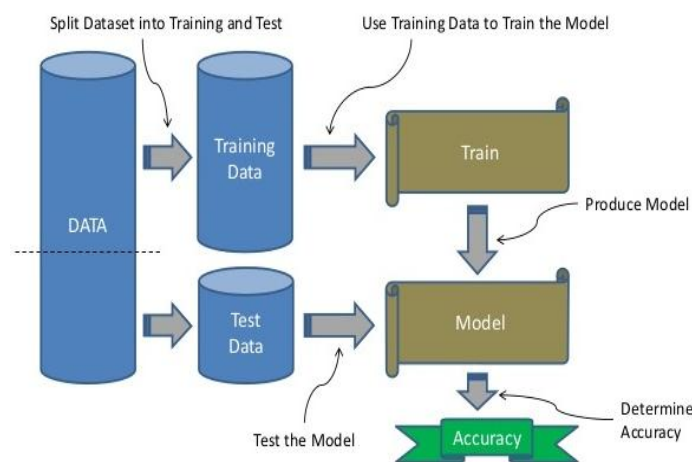


Figure 1

In Astrology some common patterns evolved using planets mapped to Horoscope chart using techniques such as Case Based Reasoning[1]. Horoscope specifies that the Nine planets (which are considered visible in our Galaxy System are used to compute predictions) move around twelve houses which are referred to as twelve Rashis. Each planet is having its own influence on persons based on the current position. At any instance of time each and every rashi can have zero or more planets which can be represented as below figure(sample representation):

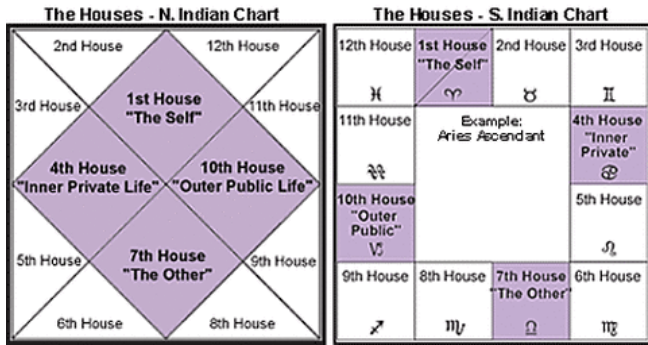


Figure 2

Astrology predicts a person future along with the issues like status or state of person’s Father, Mother, Siblings, Friends, Enemies and so on. Astrological predictions help a person to select his/her best career as per the time of birth. Astrology is having the depth such that by using Astrological predictions we can also compute whether a person become internationally familiar or not[3]. In Astrology, using person's date of birth, the predictions and common patterns evolved[4].

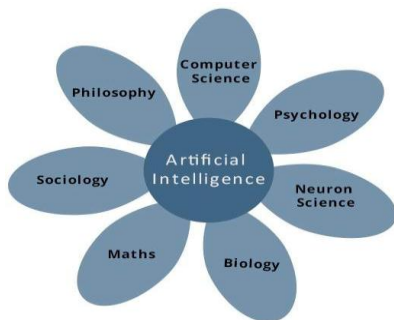


Figure 3

Artificial intelligence correlates various fields of information as per the Figure 3, to define inference rules we will use it. Artificial Intelligence provides a way to handle a software like exposure for the prediction logic. As Astrology is purely prediction based concept, Artificial Intelligence is the core and Almanac database used as backend for these predictions. To analyse Astrological concepts, in past astrologers followed universal and standard rules to specify person’s Astrology. With the advent of technologies, various Association rules, Classification techniques, Support Vector machines, Linear Regression, Logistic Regression and Prediction Analysis are going to be used for these predictions.

The traditional approaches limited the support for Astrology and so semantic inference rules are giving proofs for Astrology Predictions. Now-a-days most of the users want to know their future prediction based on ontology also. Some researchers are providing personalized Web page recommendations using ontology[5]. This type of GUI recommendations also useful to know the predictions. Machine Learning algorithms aims at increasing automation[6] similarly astrological concepts automation using users recommendations rather than manual computation

improves the accuracy and efficiency as per the inference rules. In preparation of automation, domain knowledge must use some collaborative filtering[7].

Issues such as Hora, Lagnam, Muhurtam etc., are fine-grained predictors using various inference rules. Although astrology is old, new inference rules are generating computationally. This paper main concern is on Architectural overview of Astrological predictions.

**PROPOSED ARCHITECTURE**

Figure 4 shows an architectural overview of an Inference Engine which generates inference rules using almanac database. Here Person Date of birth and required data will be given as input and from the inference rules predictions happened.

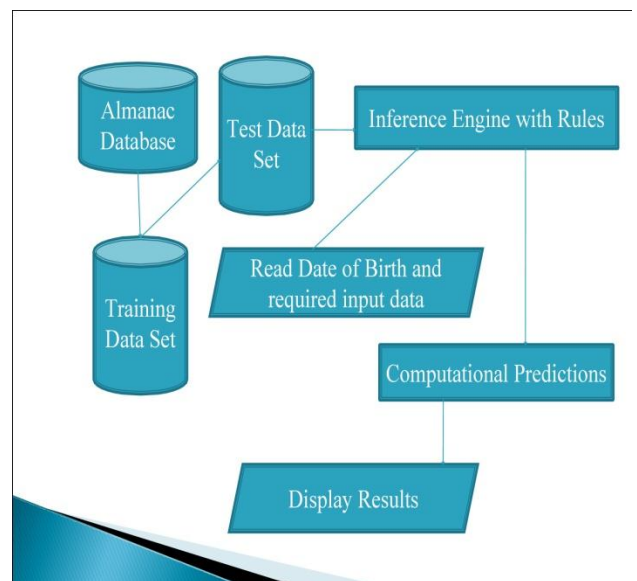


Figure 4

The below diagram (Figure 5) represents all the twelve houses along with their names.

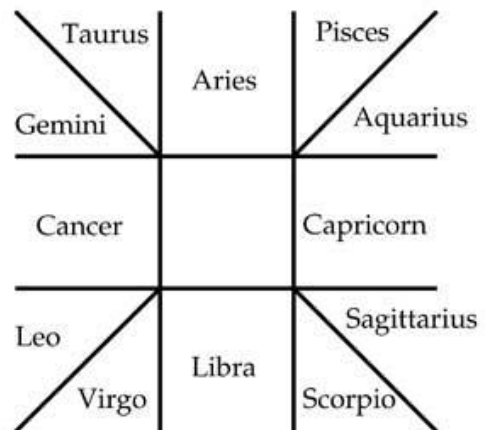


Figure 5

## RELATED WORK TO BE IMPLEMENTED

The prediction to be conducted using inference rules derived from Training and Test sets. By taking Date of birth including time of a person as input, the required predictions evaluated automatically. Many softwares are available in the market to specify the horoscope but they are unable to specify how predictions are going on. They specify predictions on few aspects and without specifying the inference rules. Hence the current paper concentrates on inference rules evaluation architecture so as to improve the efficiency of Predictions up to at least 85% accurate.

## RESULTS TO BE IMPLEMENTED

- 1) Using the current architecture implementation, person predictions specified and compared with previous methodologies to show the improved accuracy.
- 2) Based on Inference rules the results are producing in vase scope.
- 3) Automation of finite concepts based on user perspectives.

## FUTURE ENHANCEMENTS

In future, from architectural perspective of Astrology generate efficient Inference rules or an Algorithm to specify the concept. The association rules generate inference rules which are useful in prediction.

## CONCLUSION

The current paper concludes the Astrological prediction and is not a theoretical concept but was practical. Some Machine Learning algorithms using Artificial Intelligence like expert systems used to conduct the research. This paper represents a sample architectural perspective for astrological predictions.

## REFERENCES

- [1] Chaplot, N., Dhyani, P. and Rishi, O.P., 2015, May. Astrological prediction for profession using classification techniques of artificial intelligence. In Computing, Communication & Automation (ICCCA), 2015 International Conference on (pp. 233-236). IEEE.
- [2] Sesham, Anand, et al. "Performance of clustering algorithms on home interview survey data employed for travel demand estimation." International Journal of Computer Science & Information Technology 5.3 (2014): 2767-2771.
- [3] Neelam Chaplot, Praveen Dhyani, O. P. Rishi, ICTCS'16. Predictive Approach of Case Base Reasoning in Artificial Intelligence: In Case of Astrological Predictions About Famous Personalities in Second International Conference on Information and Communication Technology for Competitive Strategies, March 2016, ISBN: 978-1-4503-3962-9 doi>10.1145/2905055.2905148.
- [4] O.P.Rishi, Neelam Chaplot, Archetype of Astrological Prediction System about Profession of any Persons' using Case Based Reasoning, International Conference on Communication and Computational Intelligence – 2010, pp.373-377.
- [5] Arundhati Patil, Prof. Supriya Sarkar, Personalized Web Page Recommendation Using Ontology, IJRITCC, July 2015, Volume 3 Issue 7, ISSN: 2321-8169PP : 4431-4436.
- [6] Neelam Chaplot , Praveen Dhyani , O.P.Rishi, "A Review on Machine Learning Concepts for Prediction Based Application", International Journal of Computational Science, Engineering & Technology, ISSN 2320-4648, March 2013, Vol 1(2), pp. 12-18.
- [7] M. Venu Gopalachari, P. Sammulal, Personalized collaborative filtering Recommender System using domain knowledge, Computer and Communications Technologies (ICCCT), 2014 International Conference.