Logeshkumar Jaganathan

logeshmech@yahoo.com

08095723161

Objective

Aspiring for a challenging career that would lead me to a steady learning environment thereby contributing to the organizational goals

Professional Experience

System Engineer Trainee:
Infosys Technologies Limited- Mysore
July 2010 – September 2010 (3 months)

Analyst:
Chainalytics Service Private Limited-Bangalore
March 2011 – February 2013 (2 years)

Senior Analyst:
Chainalytics Service Private Limited-Bangalore
March 2013 – Present (10 months)

Freight Market Intelligence Consortium (FMIC):

Chainalytics' Freight Market Intelligence Consortium (FMIC) provides strategic freight market intelligence, model based benchmarking, and comparative analysis to its members in a private forum. FMIC helps its consortium members to have better understanding of their current freight cost compared to market cost and also helps to predict the future market dynamics.

Roles and responsibilities:

I have been working in FMIC from the day I joined Chainalytics and currently I am leading a team of 8 members (2- senior analyst and 6 - analyst) who works for following FMIC projects

1.) Truckload Benchmarking

2.) Less-than-truckload Benchmarking

3.) Lane matching

My responsibilities in these projects are below

- Interacting with internal and external customers of the company through e-mail and phone call for various requirements of project
- Overall responsibility of handling and delivering project
- Mentoring the team members in day to day activities of the project to get the work done on time, meeting the project deadline, assuring quality
- Grooming juniors in the team to take up more responsibilities and make them grow in the organization
- Involvement in recruitment, training and reviewing new joiners to the team

Process Improvement

I have been working with process improvement team since Jan-2013. In this phase we optimize the current underlying processes to achieve more efficient results. We do the following steps in process improvement

- Identify: Documenting the current process by creating a flowchart and clearly defining the problem statement for different issues we came across is the past
- Possible solution: Each problem statement is discussed in common forum and the best possible solution is finalized to implement
- Implementation: People are clustered as different teams to implement the solution for each problem statement
- Review: After implementing the process improvement. Efficiency, productivity and product quality are measured

Automation

I have been working with automation team past 15 months. Automation is initiated for two prime reasons.

- Reduces recurring process time
- Avoid possible humans errors

We looked at the entire process flow and identified those areas which required automation. We automated several complex data handling processes thereby reducing effort and time considerably. Currently we are working on automation for several areas of current process.

Research & Development

R&D is an integral part of my day to day activities. Linear regression and nonlinear regression are playing a pivotal role in most of the projects in which I am involved. We use these regression models to find the relationship between cost (dependent variable) and factors affecting the cost (Independent variables). I have explained below what linear regression and nonlinear regression in simple terms.

Linear Regression:

Linear regression attempts to model the relationship between two variables by fitting a linear equation to observed data. This method calculates the best-fitting line for the observed data by minimizing the sum of the squares of the vertical deviations from each data point to the best fit line. One variable is considered to be an explanatory variable, and the other is considered to be a dependent variable. For example cost and distance. The more distance you travel the more you pay for it. Hence cost depends on distance. So the cost is dependent variable and distance is explanatory variable. The regression equation would be

Cost= K + v1*distance

Non Linear Regression:

Nonlinear regression model relates more than one explanatory variable to dependent variable. Say for example cost is not only depending on distance, but it also depends on weight that you carry. In this case one not only pays for the distance travelled but also the weight carried. So in this case cost is decided by two explanatory variables distance and weight.

Cost= K + v1*distance + v2*weight

Interaction variable:

Sometimes using interaction variable is more logical than using variables individually. In the same example, if the cost is not dependent on distance or weight alone and if the cost is a dependent on distance and weight combined together then the equation could be formed as

Cost= K + v1*distance*weight

Discovering new variables:

I spend significant amount of time every day to improve the model by discovering new variables which could contribute and improve the model. Even though I work in an environment where the models are stable and are having high efficiency giving good results, I always look forward to improve the model by introducing new variables. I do the following steps to find new variables.

- I do my own research by using common math or common business sense and come up with new variable or interaction variables
- Find the correlation between cost and new variables, and this will give me the initial idea of how the new variable would make the significant contribution to the model
- Modelling is done using the new variable and based on the output I would fine tune my approach for its betterment
- New result is compared with best available result. If I conclude and justify myself, that the new approach is giving a better result and there are facts supporting my result, I propose my concept to the my leads and eventually to company scientists
- By taking feedback from the scientist, I work on it more in detail to fine tune my approach in more elaborated way
- I have discovered few new variables in last two and a half years and those variables are being used in current modelling process

Skills and Expertise:

- MS Excel
- Advanced Access
- SPSS
- SQL Server 2005/2000
- Tableau
- Data Analysis
- Business Intelligence
- Statistical Modelling

Academic history

Course	Board of Examination	Institution	Year of Passing	Percentage
B.E.(Mechanical)	Anna University	Crescent Engineering College- Chennai	May 2010	74.00
HSC	Tamil Nadu State Board	Govt. Boys HSS- Erode	March 2006	82.08
SSLC	Tamil Nadu State Board	Govt. HSS- Erode	March 2004	86.60

Academic Projects:

Project1: Analysis of Alternative fuel for Diesel Engine. –Jul 2009 to Mar 2010

Objectives: An experimental approach to find alternative fuel for Diesel Engine using Pongamia Pinnata Oil.

Project2: Fabrication of solar water purifier using parabolic concentrator. –Feb 2009 to Jun 2009

Objective: Purification of water using parabolic concentrator with solar energy and different layers of filtration tank using natural resources.

In plant training

- Sakthi Sugars Limited-Erode.

Clear understanding of organizational structure, activities and responsibilities of various levels of employee

Academic Achievements

- Secured first prize in Modelling of Glider Competition at SAE Student Convention2008 at SRM University
- Received Sakthi Devi Charitable trust award for securing School Second mark in 12th standard
- Presented a Paper on the topic 'Stocks as long term investments' at SRM University, Chennai
- Presented a Paper on the topic 'Theory of Investment Value' at Park College of Engineering, Coimbatore and won Second prize

Reference:

Name: Jishnu Syaman
Company: Chainalytics Service Private Limited
Designation: Delivery Lead - Americas
Contact e-mail: jsyaman@chainalytics.com
Contact number: 09620342043

Personal Details

Date of Birth: 6th May 1989
Languages known: Tamil, English
Permanent Address: Door No: 35, Parappalayam, vilakethi post, Erode-638109, Tamil Nadu.

Place: Bangalore
Date: 27th Dec 2013 Logeshkumar Jaganthan