

Re: December 23<sup>rd</sup> 2019

## Part-Time iOS App Development

When: Total 12 weeks  
Every Thursday  
from Jan 28, 2019 to Apr 12th, 2019

Time: 6:30 pm to 9:30 pm

### **Course Title**

Part-Time Data Analytics

### **Course Summary**

Learn Data Analytics from a professional Data Analytics Professional. The Data Analytic skills is a must in the field of Business. You will learn Data skills ranging from basic knowledge of statistics to industry-standard coding languages (Python and R) to visualized presentation skill (Tableau).

### **Instructors**

#### **Farhang**

Dr. Farhang Vedadi is a Data Scientist. Farhang has numerous years of experience in analytics, research, and machine learning primarily in the banking sector and he is currently a Sr. Data Scientist at RBC. Through a number of years, he has gained a wide variety of field data experience as well as academic data experience. Working in the bank domain, both retail banking and capital markets, he can also offer what financial institutions are looking for from data analysts. He has earned his Ph.D from University of Toronto in Electrical and Computer Engineering, his Master's from McMaster, and his Bachelor's from Sharif University.

#### **Joe**

Joe is a career consultant. Currently, he is President of Operations and Principal Consultant at Branding Academy, one of the leading online career services firms based in Toronto. He served as Director of the Internship Program at a private University and career college and served as Director of Studies at English Lab Toronto. He has taught numerous university students on career strategy and job interview techniques. He earned a MFA degree from AFI Conservatory in Los Angeles and a BA degree from Temple University in Philadelphia. Additionally, he studied Human Resource Management at George Brown College.

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## **Week 1 to 12 Details**

Week 1: Introduction to Big Data Analytics

Week 2: Descriptive Statistics & Probability I

Week 3: Inferential Statistics

Week 4: From Statistics to Machine Learning: Linear Regression

Week 5: Data Dimension Reduction Techniques: PCA

Week 6: LASSO and RIDGE Regression Algorithms

Week 7: Classification Algorithms

Week 8: Clustering Algorithms

Week 9: Tree-Based Methods

Week 10: A/B Testing

Week 11: Introduction to Machine Learning at Scale

Week 12: Visualization With Tableau

## **Software and Tools**

- Python
- R
- Tableau
- [GitHub](#)