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WORK EXPERIENCE

Kin Analytics, Quito, Ecuador

Chief Analytics and Innovation Officer / President

December 2014 - Present

- Analytical consulting project for De Lage Landen Brazil. January 2015 – May 2015. Project scope:
 - Developing behavioral models
 - Developing fraud prevention and alert models
 - Implementation of automated client identification and matching systems

De Lage Landen Financial Services, Wayne PA

Global Analytics Consultant, Global Analytics Department

January 2013 – November 2014

- Project based consultancy around the world for various banks in locations such as: USA, Brazil, Rwanda, and Netherlands. Project scope included:
 - Implementing automated credit scoring systems and processes for portfolios ranging from \$30 - \$12,000 Million
 - Developing Basel II/III compliant models as well as training local resources on banking regulation
 - Portfolio monitoring, management and optimization

Modelling Expert, Decision Analytics Department

January 2011 - January 2013

- Maintaining and enhancing automated credit scoring processes, calculating loss pools, creating country- and industry-level macroeconomic reports, and querying for and analyzing database figures via statistical procedures
- Developing Basel II/III compliant PD, LGD, EAD and EL models
- Responsible for updating and refining various scorecard models using programs such as SPSS, Microsoft Excel (VBA), and Strategy Design Studio

Villanova University Mathematics Learning Resource Center, Villanova, PA

Tutor

September 2007 -January 2011

- 15-20 hours a week during semester
- Requires patience, competence in many Math/Statistics subjects, and an ability to relate well to others

SKILLS

Programming Experience

- Proficient in SAS procedures including variance calculations, survival analysis functions, regression analysis, and plotting (i.e. proc: gplot, means, glm, anova, ancova, reg, phreg, lifetest, lifereg, rank, transreg, logistic, sort, corr, genmod, countreg, insight, and univariate)
- Proficient in SPSS, Visual Basic for Applications, and SQL MAPLE, Minitab, and R.

Other Skills

- Well-versed in Hyperion (database querying tool), and MS Word, Excel, & PowerPoint
- Spanish native speaker, professional working proficiency in Portuguese, bilingual proficiency in English

PUBLICATIONS

Frey, J. and Perez, A. (2012). "Exact binomial confidence intervals for randomized response", The American Statistician, 66: 8-15.

EDUCATION – Ph.D. DEGREE

Temple University, Philadelphia, PA
Doctorate in Statistics with focus on Finance and Econometrics

September 2011 - Present

Courses include:

- Data Mining and Machine Learning
- Time Series and Econometrics
- Non parametric and Survival Analysis
- Linear, Logistic, Multinomial Regression

Course work completed: December 2014

Dissertation completion: 2016 - 2017 (expected)

EDUCATION – MASTER’S DEGREE

Villanova University, Villanova, PA
Master of Science in Applied Statistics

May 2011

Dissertation: Developed an analytical model to predict outcomes of soccer matches.

EDUCATION – BACHELOR’S DEGREE

Villanova University, Villanova, PA
B.S. in Mathematics with focus on Financial and Economic applications

May 2010