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PROFILE

A highly analytical economics graduate with 5 years of experience on financial data analysis for risk management. Being a motivated self-learner, I have developed strong data management and manipulation skills along with statistical computing knowledge for time series analysis. Currently leading a team of market data analysts within MSCI, I'm looking forward to keep developing in the fields of data analysis and visualization.

WORK EXPERIENCE***Senior Associate at MSCI (Jan2014 – current)***

- Manager of a team of 3 fixed income market data analysts.
- Data project leader for a highly visible product within our risk-managing platform (RiskManager®).
- Developer of QA and visualization tools for internal usage (mainly via R and SpotFire).

Associate at MSCI (Jan2012 – Dec2013)

- Named local team leader for Monterrey's Market Data Production area.
- Worked closely with the fixed income research team in the creation of the next generation of parametric yield curves.
- Exposure to a broad number of fixed income securities and their valuation (variety of bonds, CDS, MBS, swaps).

Analyst at MSCI (Jan 2010 – Dec 2011)

- Responsible of maintaining the quality of BarraOne's Fixed Income and Multi-Asset Class daily production data.
- Examined and validated the evolution of term structures and risk related factors for multiple markets.
- Solve global client queries (JPMorgan, Credit Suisse, BNY Mellon, etc.) on risk related topics and methodologies.

Assistant at EGAP-ITESM (Jan– May 2009)

- Investigation Assistant for Ph.D. Edgar Aragón Mladovich.
- Collaborated in the organization of the course "Strategic financing for infrastructure projects in Mexico".
- Collaborated in the making of the book that compiles the main conclusions reached throughout the course.

Junior Expert at ITESM (Jun – Aug 2008)

- Selected to participate in the government sponsored project "Monterrey: International City of Knowledge" lead by former Mexican Secretary of Economy Sergio García de Alba.

ACADEMICS & CERTIFICATIONS

- B.Sc. Economics (ITESM, GPA 3.5, Dec'09)
Relevant Courses: Statistics, Mathematics for Engineering, Econometrics, Time Series, Multivariate Analysis
- Certified Financial Risk Professional (GARP, Jan'14)
- Completed 4/9 courses from John Hopkins University's *Data Science Specialization*.
- Published Social Evaluation of the Caritas' Food Bank Program at ITESM's Student's Journal of Economics (Year 2, Vol. 2, 2009)

KEY SKILLS & COMPETENCIES

- Spanish (native language), English (TOEFL: 112)
- MS Office Suite (emphasis in Excel)
- TIBCO SpotFire
- SQL
- R
- Linux
- Basic Perl scripting
- Facility for data analysis.
- Critical and organized thinking.
- Self-learner.
- Attention to detail.
- Experience managing people.

MAIN INTERESTS

Risk management, data analysis, data visualization, time series, statistics, fixed income, quantitative finance.