

HILARY AGUIRRE

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STATISTICIAN/DATA SCIENTIST

COMPETENCIES

| | | |
|---------------------------------------|---------------------------|------------------------|
| Statistical Analysis | Simulations | Model testing |
| Regression Modeling/Analysis | Categorical Data Analysis | Forecasting |
| Data visualization/Graphics | Data Collection | Microsoft Office |
| Variance Analysis/ANOVA | Bootstrapping | Training & Development |
| Quantitative and qualitative analysis | Experimental Design | Ad hoc analyses |

SKILLS

Languages: R, SQL, Python, Java
Software: MS Excel, RStudio, Outlook, Adobe Acrobat, Visual Studio, TexStudio
Producing plots in ggplot2
Research/literature review
Strong presentation/communication skills
Able to adapt and react quickly, great organizational skills
Team leadership/facilitation

EDUCATION

M.S., STATISTICS, California State University, Fullerton, completed May 2018

M.A., SECONDARY EDUCATION, Loyola Marymount Univ., Los Angeles, 2007

B.A., POLITICAL SCIENCE, Loyola Marymount Univ., Los Angeles, 2004

PROFESSIONAL EXPERIENCE

STATISTICAL CONSULTANT, BLACKWOOD SEVEN

1/2018-5/2018

- Built return on advertising spending model to study client's downward trend in revenue
- Wrote program to predict revenue and make inference on effectiveness of media spending for client
- Completed time-series analysis and bootstrapped models to analyze cost per revenue
- Visualized data and relationships through R and Tableau

MATH DEPARTMENT CHAIR, CATHEDRAL HIGH SCHOOL

3/2005-5-2016

- Taught Algebra I/II, Geometry, Algebra II Honors, PreCalculus Honors, Calculus, Biology
- Clear Single Subject Teaching Credential (California), Foundational Mathematics

References available upon request