

**Mohammad Ahmadi**  
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<b>OBJECTIVE</b>	<b>Seeking Internship position for Summer 2022 in the field of data science, machine learning and statistical analysis</b>
<b>PROFILE</b>	<b>Business-minded data scientist with a demonstrated ability to deliver valuable insights via data analytics and advanced data-mining techniques. Providing data-driven, action-oriented solutions to challenging business problems</b>
<b>COMPUTER SKILLS</b>	<b>Languages:</b> Python (NumPy, SciPy, Matplotlib, Pandas, Sklearn), SQL, R, SPSS <b>Analysis Tools:</b> R Studio, MINITAB, Tableau <b>Database:</b> Relational Database (SQL) <b>Platforms:</b> Windows, Linux
<b>KEYWORDS</b>	Machine Learning, Statistical Analysis, Data Mining, Time Series Analysis, Predictive Modeling, Multivariate Analysis
<b>QUALIFICATIONS</b>	<ul style="list-style-type: none"><li>• Experience in statistical analysis, hypothesis testing, multivariate high-dimensional data analysis, sampling algorithms, principal component analysis, factor analysis</li><li>• Excellent background in statistics and math behind machine learning algorithms and techniques</li><li>• Great machine learning background for supervised/unsupervised learning, classification and regression, dimensionality reduction and feature selection</li><li>• Experience in time series analysis, linear/non-linear predictive models (AR, ARMA, ARIMA, SVR), pattern extraction, anomaly detection</li><li>• Generate insights in such a way that the business can clearly understand the quantifiable value. Enable the business to make clear trade-off between and among choices, with a reasonable view into the most likely outcomes of each</li></ul>
<b>EDUCATION</b>	<b>University of New Mexico</b> , Albuquerque, New Mexico PhD, Statistics, September 2019 - Present, GPA: 4.0 <b>University of Tehran</b> , Tehran, Iran Master of Science, Statistics, January 2016, GPA: 3.8 <b>University of Shahid Chamran Ahwaz</b> , Ahwaz, Iran Bachelor of Science, Statistics, July 2013, GPA: 3.7
<b>EXPERIENCE</b>	<b>University of New Mexico</b> <ul style="list-style-type: none"><li>• <b>Teaching Assistant for Advanced Data Analysis courses    Jan. 2020-Present</b><ul style="list-style-type: none"><li>○ Designed relevant HWs and projects to evaluate the data analytics skills of students from both theory and applied point of view</li><li>○ Established a multivariate correlation/regression technique to predict housing price using public dataset</li><li>○ Built data visualizations using SQL and Tableau for some real data sets</li><li>○ Built visualizations in Tableau to show how ratings changed over time and how model was performing for entertainment data set</li><li>○ Developed an ARIMA based model to predict unemployment rate in USA using latest dataset for past 70 years</li><li>○ Developed a regression model to predict body fat for a data set on 450 females</li><li>○ Worked as instructor for Elements of Statistics and Probability course in Fall 2021</li></ul></li></ul>

## EXPERIENCE

### **Saman Insurance Inc., Tehran Iran**

**Sept. 2016-Dec. 2018**

- **Data Analyst**
  - Designed surveys and collected relevant data
  - Converted data into actionable insights by predicting and modeling future outcomes.
  - Gather sufficient relevant data, conduct data analytics using scientific methods, and make appropriate and powerful connections between quantitative analysis and real-world problems.
  - Utilize R statistical software to track and analyze data
  - Interpret business insights from analytics results for management and strategic team
  - Use statistics to analyze company data to generate reports
  - Use advanced techniques to conduct thorough and insightful analysis and interpret the results correctly with detailed and useful information with an insightful and well-organized report for the management and customers

## TEACHING EXPERIENCE

### **Teaching Assistant, University of New Mexico, Statistics department, Albuquerque, NM**

- Instructure of Elements of Statistics and Probability course (Fall 2021)
- Advance Data Analysis II (Spring 2020, Spring 2021)
- Elements of Statistics and Probability (Fall 2020)

### **Teaching Assistant, University of Tehran**

- Probability (Spring 2015)
- Statistics and Probability (Fall 2014)

## WORK AUTHORIZATION

## REFERENCES

I am authorized to work as Intern with CPT

Will be available upon request