Amanda's Digital Portfolio

To give a visual aid of the experiences on my resume...

A little about me...



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Access my full resume (PDF)



Hi! I'm Amanda Li, a senior at UCLA majoring in Statistics and Data Science. As a creative problem solver with a strong quantitative background, I'm excited to apply my academic skills and hands-on business experience to generate key insights and drive growth. I'm passionate about continuous learning and am always eager for opportunities to grow—whether individually, collaboratively, or within an organization. I've had some incredible experiences and projects, and I've highlighted a few favorites to give you a glimpse of my journey!

Outside of work, I love spending quality time with family and friends, binging shows, traveling, and trying new foods and desserts.









Training in Deloitte University in Texas and experienced living in NYC for the summer!

Explored Rome, Florence, Venice, and Milan and got to try the yummiest pizza from Pisa, Italy!

Two of my Favorite Courses

Statistical Consulting and Statistical Models in Finance (Done in R Programming)

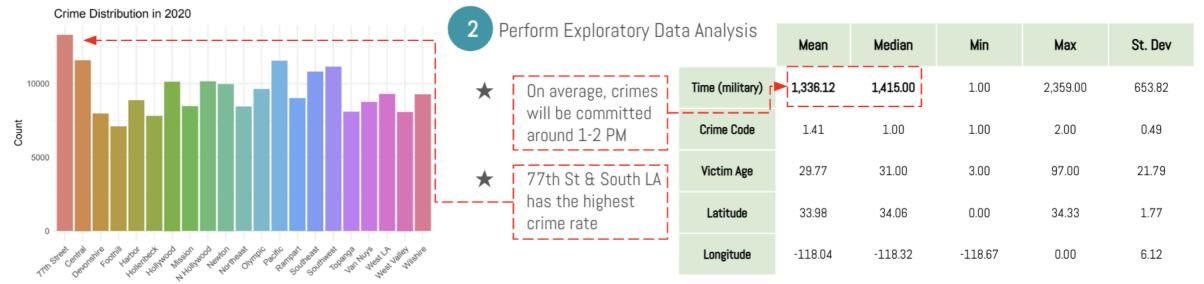
Introduction to Statistical Consulting (pt.1)

<u>Problem Statement:</u> Develop a predictive tool that helps assess the likelihood of weapon involvement in Los Angeles crimes

<u>Goal</u>: Leverage **statistical insights** to enhance situational awareness and **improve response strategies**.

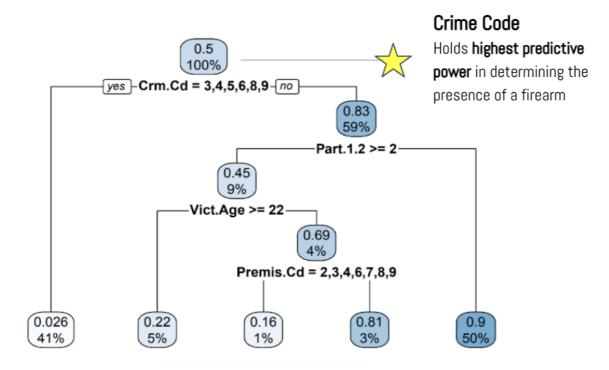
1 Clean data, join redundant / less significant variables, and impute/remove missing values





Introduction to Statistical Consulting (pt.2)

Final Predictive Model: Decision Tree



Decision Tree Interpretation

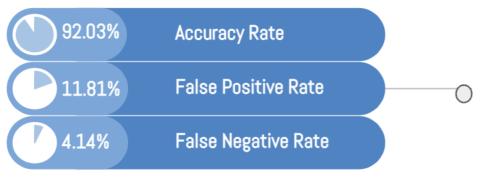
In general, **50%** of crimes are predicted to **involve firearms**. Within this 50%:

Check if the LAPD assigned Crime Code = $\{3, 4, 5, 6, 8, \text{ or } 9\}^1$

- → If yes, 41% of those crimes are predicted to have a firearm involved
- → If **not**, go to the second node (**remaining 9%** of crimes)

For crimes with other crime codes, 59% will be Part 1 or 2 crimes

- → If it's a Part 2² crime, 50% are predicted to involve a firearm
- → If it's a Part 1³ crime, continue evaluating down the nodes to consider victim age and premise code



Impact: Created a predictive model using crime data to assess the probability of firearm involvement with 92% accuracy. This tool will help the LAPD better allocate resources, while increasing safety and preparedness of law enforcement workers.

Skills Utilized:

- Critical thinking & problem solving
- Data cleaning, processing, and feature engineering
- Predictive analytics and testing
- Data visualization & interpretation

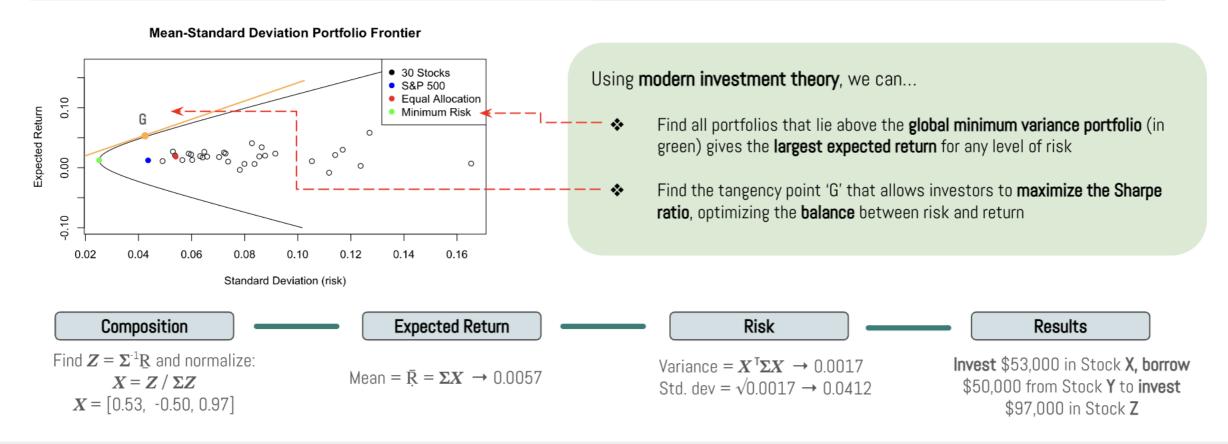
1 Crime Codes: {3 = Robbery, 4 = Assault, 5 = Burglary, etc.}

2 Part 2 Crime: Forgery, Fraud, and NSF Checks

Statistical Models in Finance

<u>Problem Statement:</u> Client has **\$100,000** to invest. Find the **composition** of the optimal portfolio **G**, it's expected **return**, and **risk**¹

<u>Goal</u>: Learn statistical techniques behind **investment theory**, **risk management**, and portfolio **optimization**



Implications and Impact: Gain deeper understanding of portfolio theory and financial planning— optimizing the risk and return trade-off, reducing overall risk by diversification, and evaluating portfolio construction and performance.

Professional Experience (most recent)

Deloitte Global - Global Sales Excellence Consulting (pt.1)

Deloitte

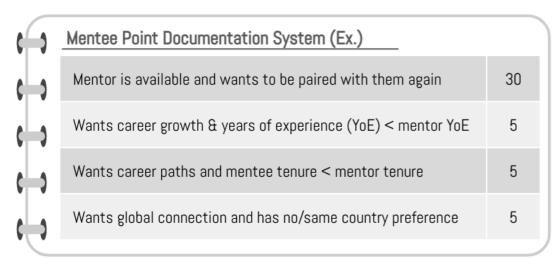
<u>Project 1:</u> Create a custom macro-driven tool to automate and optimize mentorship pairings for program leaders

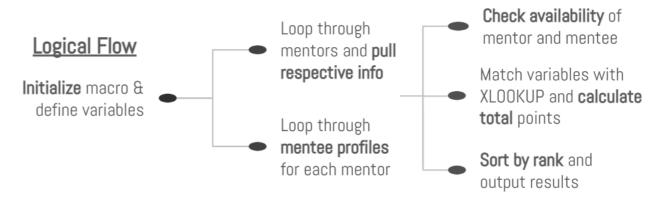
<u>Goal</u>: Apply **statistical** and technical knowledge in the intersection of **consulting and technology**

The Process:

- Conduct **survey** on professional **background/motivation** for members
- Import survey results into Excel and clean up response database
- Assign variable **weights** by important/relevance and build macro

Mentee Name	Available to Pair	Total Pairing Points	Primary Interest	Interest Point	Tenure
Name 1	No	14	Global Connections	1	4
Name 2	No	12	Global Connections	1	10
Name 3	Yes	11.5	Career Growth	0	2
Name 4	Yes	11	Career Paths	0	4





Deloitte Global - Global Sales Excellence Consulting (pt.2)

Deloitte.

<u>Project 2:</u> Create a comprehensive firm-wide training to coach Senior Managers and PPMDs on the Deloitte Global Sales Framework

<u>Goal</u>: Combine consulting knowledge, **business and sales** acumen, with **project management** skills



Created Checklist to Become Differentiated in Client Relations

- We possess a **strong understanding** of the **key buyers** and their **needs**, **expectations**, and **selection criteria**
- We understand how the **success** of the opportunity **aligns** with **personal/professional interests** of key buyers
- ☐ Understand client **sentiments** about **incumbents**
- ☐ Can show our **capabilities** through **SME** interactions/events

Reinforced the importance of Qualification

- Efficient resource allocation: focus effort and time on high-potential bids
- Increase win rate: ensure client needs, budget, and expectations are met
- Strengthen client relationships: Transparency about qualification and commitment to delivering value builds client trust over time

Impact: Analyzed key focus areas at each stage of the bid cycle, ensuring alignment and consistency across teams globally. This project empowered sales leaders to focus on high-value solutions tailored to client needs, ultimately enhancing client satisfaction, improving win rates, and driving sustained growth.

City National Bank - Financial Planning & Analysis



Project 1: Use financial statements to evaluate loan volumes and interest income across multiple product types

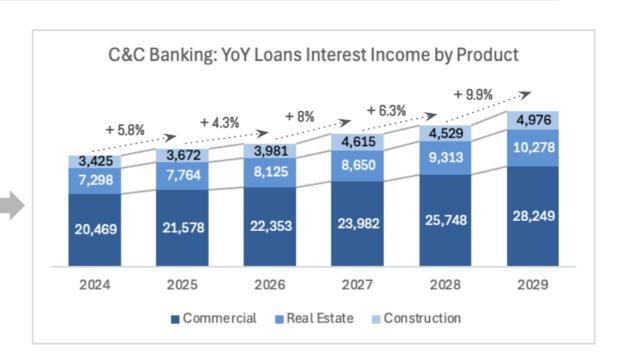
Goal: Use data analysis and visualization to identify key growth trends and inform strategic decision-making

Designed dynamic, refreshable templates that use index-match to extract and organize relevant data from a database into platform-specific tables

Commercial & Corporate Banking Current Yr Ratios (in MM)									
Year	2024	2025	2026	2027	2028	2029			
Commercial	20,469	21,578	22,353	23,982	25,748	28,249			
Residential	122.3	123.1	125.6	129.2	132.8	136.4			
Real Estate	7,298	7,764	8,125	8,650	9,313	10,278			
Construction	3,425	3,672	3,981	4,615	4,529	4,976			
Other	104.1	100.6	97.8	94.6	99.7	108.1			
Equity Lines of Credit	3.2	3.4	4.1	4.2	4.5	4.9			
Credit Card	53.6	56.2	58.1	61.3	65.4	71.0			
Installment	1.1	1.2	1.4	1.6	1.7	1.9			
SBA - PPP	46.2	39.8	34.2	27.5	28.1	30.3			

The **largest source** of revenue for banks come from **interest income**, From these YoY analyses and future projections, we can...

- **Identify leading segments** and new potential revenue streams
- Analyze trends compared to the market and core competitors
- Make data-driven insights and support strategic planning
- Set realistic **financial targets** across product lines and platforms



Skills Utilized:

- Banking and economic knowledge to analyze financial statements
- Business analysis to identify trends and high-growth opportunities
- Data visualization to design informative charts to convey complex data
- Advanced Excel knowledge/formulas to summarize meaningful information

Thank you for your time!

Feel free to reach out @amandali2415@gmail.com if there's any comments/questions