Stats 186: Careers in Statistics

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AI Due Diligence | Mentor | Advisor

Invented, Developed, Taught AI

Ph.D. in Statistics

NASA **Jet Propulsion Laboratory**
California Institute of Technology

[ref]

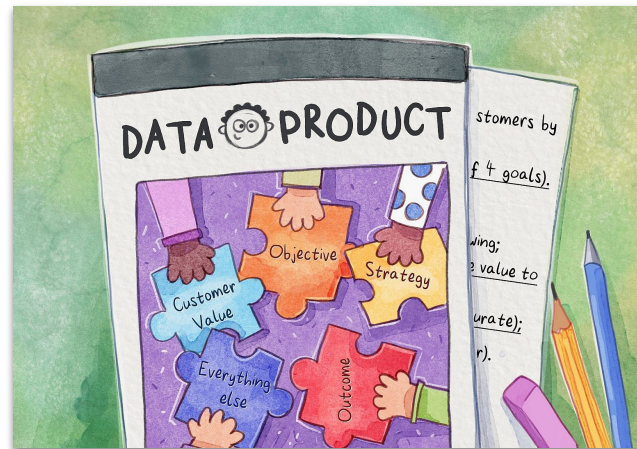10 Questions to Ask Yourself When Considering a Continuing Education Program

UCLA College | Physical Sciences
Statistics

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Advice to Break-in (Short-Term)

- Experience:
  - UCLA [DataFest](#)
  - Stats 140 + 141: Practice of Statistical Consulting
  - Stats 99 + 199: Directed Research in Statistics

- Handshake: internships

- [How to Break into a Data Role in Industry?](#)

- [Tailor project to answer business question](#)

- Raise Hand

Advice to Break-in (Medium-Term)

- Python Experience:
    - Book: Automate the Boring Stuff with Python
    - Book: Python for Data Analysis

- SQL Experience
    - Book: Learning SQL: Generate, Manipulate, and Retrieve Data
    - Practice on Chinook database
    - Example of Python + SQL + Chinook database

- H1B Salary Database: salaries + companies hired w/visa

Advice to Break-in (Long-Term)

- Network
  - [UCLA DataFest](#)
  - Career Center ([events](#))

- Mentorships
  - [UCLA Stats Club](#)
  - [UCLA Alumni Mentor Program](#)
  - [Learn Teach Code](#) (monthly)
  - [Advice on how to be your own mentor](#)

My Resume (Junior Year)

- Included objective, languages, activities
- "IrinaK resume mm-dd-yy.doc"
- <DOs>
- <DON'Ts>

University of California, Los Angeles   *Expected Graduation June*
BS in Statistics and BA in Economics; Minor in Mathematics
- Coursework includes: Introduction to Probability Theory, Introduction to Mathematical Statistics, Regression Analysis, Introduction to Econometrics, Microeconomic Theory, Macroeconomic Theory,
- Overall GPA: 3.52; Statistics major and Mathematics minor: 3.62; Economics major: 3.67

WORK EXPERIENCE:

University of California, Los Angeles: Statistics 199   *August   - Present*
Research Assistant   *Los Angeles, CA*
- Investigate whether or not global warming takes place and if it may have an effect, if any, on the early snowmelt for the California's rivers.
- Use statistical methods for the data collected on California's rivers runoff

Oversee.net   *November   · Present*
Analyst – Intern   *Los Angeles, CA*
- Analyzed trends in revenue based on online advertising campaigns
- Explored parallels between targeting voters in election campaigns and targeting internet users to click on online advertisements
- Looked at individual advertising campaigns since the time they were launched to determine at what point they converge to their yearly expected revenue
- Studied what time of day/day of week is optimal for launching a new advertising campaign

University of California, Los Angeles: Statistics 140 and 141SL   *January   – June*
Statistical Consultant   *Los Angeles, CA*
- Managed a team of three other classmates and collaborated with faculty member and client to frame client's question in statistical terms and addressed client's questions
- Organized, designed, prepared and presented the final report to the client and one of UCLA's Vice Chancellors
- Analyzed confidential data using Logistic models and Classification and Regression Trees (CART)

Cleveland Golf   *June   – September*
Statistical Analyst – Intern   *Huntington Beach, CA*
- Worked independently on pilot statistical analysis project
- Consulted directly with President and CEO regarding analysis of statistical data
- Researched and organized purchase of statistical software
- Used SPSS software to generate statistical correlations and perform time series analysis of confidential data
- Acquired, organized, and analyzed data from various sources both internal and external
- Created a PowerPoint presentation for the President and key Vice Presidents

SKILLS and QUALIFICATIONS:
- Microsoft Word, Excel, Publisher, PowerPoint, Adobe PhotoShop, R, SAS, SPSS, STATA, MySQL

Resume Advice

- Career Center + Guide

- Resume Tips, including:

  - **"Accomplished [<what>] as measured by [<why>], by doing [<how>]"**

  - Add numbers

- <Example>

- Skip* "objective"

- Send PDF

Networking Advice

- <u>Goal</u>: Build relationships!

- Book: "Networking for People Who Hate Networking"

- LinkedIn + Informational Coffee
  - <u>Goal</u>: Learn and NOT to ask for job!
  - Follow-up

- Share context/questions

- Double opt-in

Questions?

https://www.ikukuyeva.com/community/guest-lecturer