

# KRYSTYNA METCALF

## CONTACT

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## SKILLS

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### MACHINE LEARNING

Regression  
Neural Networks  
Classification  
Natural Language Processing  
Dimension Reduction  
K-means

### LIBRARIES & FRAMEWORKS

Numpy  
Pandas  
Sklearn  
BeautifulSoup  
Selenium  
NLTK  
Gensim  
Statsmodel  
Scikit-learn  
Corex

### DATA MANAGEMENT

SQL  
GCS  
Git

### DATA VISUALIZATION

Matplotlib  
Seaborn  
Tableau

### FINANCE

Series 7, 63, 86 & 87

### FOREIGN LANGUAGE

Conversational French

## EDUCATION

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Boston University  
BA Finance & International  
Management 2010

## EXPERIENCE

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### Aila Health

Data Scientist- Independent Consultant

New York, NY

Sept. 2020 to Current

- Constructed a model to predict if a patient is suffering from depression based on images by using convolutional neural networks

### Metis

Data Scientist

New York, NY

June 2020 to Sept. 2020

Completed an immersive 12-week data science bootcamp with a strong emphasis on project-oriented skill-building in problem solving, data wrangling, statistical modeling, machine learning, and communication of deliverables. Project highlights include:

#### Winston Churchill Speeches: A Study in Oratory Excellence

- Scraped an archive of Churchill's speeches from America's National Churchill Museum using BeautifulSoup and Selenium
- Analyzed speeches using Natural Language Processing, Gensim and Corex to discover major topics and track changes of theme over time

#### Round C Funding: The Search for a Unicorn

- Engineered features on a curated dataset from Crunchbase to determine if a startup that received Round A funding would go on to become an established company determined by Round C investment
- Compared five supervised classification models (logistic regression, random forest, Naive Bayes, SVM and K nearest neighbors) and fine-tuning using grid search
- Utilized GCS to handle the size of data

#### Linear Regression: Skincare Product Pricing

- Built a linear regression model to predict skincare product pricing on Sephora.com
- Scraped data from Sephora.com using BeautifulSoup and Selenium on more than 300 products

### Reiss Stables

Founder, CEO

New York, NY

2018 to Current

- Created private business with a focus on purchasing, training and selling horses
- Created and maintained financial statements tracking business revenue and expenses as well financial planning and analysis statements

### Raymond James

Senior Equity Research Associate

New York

2014 to 2018

- Maintained coverage of eighteen Household & Personal Care and Leisure companies including Procter & Gamble, Estee Lauder, Clorox, and Ulta
- Created and maintained detailed, scalable financial models with income statements driven by detailed sales drivers, cash flow statements and balance sheets, including updating for quarterly reporting and financial statement forecasting
- Created valuation analysis spreadsheets inclusive of discounted cash flow analysis, historical trends, and financial ratios
- Tracked economic and financial movements including CPI, GDP and unemployment rates to extrapolate impact on consumer purchasing trends and companies under coverage
- Co-authored and published research reports, financial models and marketing materials to be used by institutional investors and salesforce
- Interacted with institutional clients providing analysis on coverage universe and regularly communicated with senior management teams
- Composed initiation report, created detailed financial model and marketing materials for the IPO of PetIQ
- Team Lead of New York office working as liaison between ten research associates and head office in order to provide support for projects and organizing career development events including bringing in guest speakers

### Oppenheimer & Co

Equity Research Associate

New York

2011 to 2014

- Maintained coverage on Household & Personal Care companies including Procter & Gamble, Clorox, Estee Lauder and Tempur-Sealy International
- Created and maintained detailed, scalable financial models with income statements driven by detailed sales drivers, cash flow statements and balance sheets, including updating for quarterly reporting, financial statement forecasting
- Performed channel checks by regularly visiting and calling retail stores to track sales trends and consumer behaviors
- Interacted with institutional clients providing analysis on coverage universe and regularly communicated with senior management teams
- Composed initiation reports for several companies including Black Diamond and generated industry analysis reports and marketing presentations