

# IAN LIVINGSTON

## DATA SCIENTIST

✉ ianlivingston@gmail.com  
🌐 ianlivingston.nyc  
☎ 203-644-5609  
📍 Brooklyn, NY, 11238  
🐦 ianlivingston  
🌐 ian-livingston

## Skills

### LANGUAGES

Python  
HTML  
CSS  
SQL

### LIBRARIES

Pandas  
scikit-learn  
Matplotlib  
Keras  
Seaborn

### MACHINE LEARNING

Natural language processing  
Classification modeling  
Feed-forward and convolutional neural networks  
Recommender systems

### NATURAL LANGUAGE PROCESSING (EXP.)

Topic modeling  
SpaCy  
NLTK  
Clustering  
Word embeddings

### DATA VISUALIZATION

Tableau  
Flask

### WRITING, ETC.

Travel writing  
Copywriting  
Editing

## Extra

ATA 40th Annual World Congress  
Nairobi, Kenya • November 2015  
Panel speaker

Explore Canada Awards of Excellence  
Montreal, Canada • October 2016  
Finalist

## Summary

Ian Livingston is a Brooklyn-based data scientist seeking to leverage his curiosity, Python, statistical modeling experience, and eight years as a travel journalist for a great team.

## Experience

### Metis Data Science Bootcamp

Student

September 2020 to December 2020

- Graduated Metis's ACCE-accredited 12-week immersive data science bootcamp focused on project-oriented learning
- Established comfort with a core curriculum centered around Python, statistics, supervised and unsupervised machine learning, exploratory data analysis, databases, and visualization techniques
- Completed five self-designed data science projects from conception to presentation, including data collection, data management, exploratory data analysis, modeling, and visualization

### JohnnyJet.com (travel blog)

Editor

June 2013 to September 2020

- Directed content and delegation of editorial assignments directly under Editor-in-Chief John DiScala, growing site traffic by more than 100% and to a peak of ~500,000+ monthly pageviews
- Managed deployment of weekly (~40,000 subscribers) and daily (~10,000 subscribers) emails
- Delivered regular reports on email and site engagement using performance data from Google Analytics and MailChimp, including to trim underperforming email features and identify topics for future focus
- Represented the JohnnyJet.com brand on travel assignments in 35+ countries and wrote original feature-length travel stories in WordPress
- Edited original stories by all contributing writers and optimized associated HTML for publishing
- Ran giveaways for travel clients from end to end using tools such as PromoSimple

### #Travel Skills Group, Inc.

Chat Manager

December 2013 to September 2020

- Managed communications with major travel clients like IHG, Southwest Airlines, United Airlines, and Viking Cruises as part of four-person team powering the U.S.-trending #TravelSkills Twitter chat
- Reported weekly on chat performance using key Twitter metrics and est. metrics via Hashtracking
- Consulted in development of and ran final edits on the weekly chat script
- Interfaced with potential and returning clients at travel industry events like the New York Times Travel Show and Skift Global Forum, generating at least \$20,000 in new business

## Projects

### "Mining for Context in Alaska Hotel Reviews"

November 2020

- Scraped, cleaned and pre-processed text data using lemmatization, POS-tagging, spell-checking with SymSpell, character normalization using unidecoder, and more
- Fit a CorEx model to shake patterns—in the form of 11 topics—out of 70K+ reviews of hotel and other properties in Alaska via TripAdvisor
- Quantified sentiment across mini-corpora of reviews using Vader
- Mapped correlation between topic strength and metadata including property latitude

### "Predicting Next Season's NBA All-Stars From Last Season's Data"

October 2020

- Cleaned and scraped NBA player data from various sources and primarily stats.NBA.com
- Engineered supplementary features to approximate trends in player growth and TV market size
- Trained a classification model to predict the 24 NBA All-Stars named in a season, prioritizing precision as an evaluative metric
- Leveraged the model in a working Flask app using HTML and CSS

### "The Anatomy of The Simpsons: What Episodes Earn Good IMDb Ratings?"

October 2020

- Cleaned and scraped data pertaining to 26 seasons of episodes of The Simpsons, including words per episode script for each main character
- Trained and regularized a linear regression model to map the instructional elements of episodes generating strong and weak IMDb scores

## Education

University of North Carolina-Chapel Hill

B.A. Journalism

August 2006 to May 2010