**Kairsten Fay**

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[Objective](mailto:kairstenfay@gmail.com)

Self-starting data lover with a passion for telling stories from numbers. Seeking to leverage data visualization and machine learning to deliver meaningful insights into company performance.

Experience

**Data Analyst, Feb 2017 – Present**

Institute for Health Metrics and Evaluation, Seattle, WA

Extracted and transformed scientific and sociological data for use in data-driven models

Created guidelines and documentation for extracting novel data sets

Developed visualization dashboards to communicate key insights and correlations among diabetes, BMI, food consumption, and health outcomes

Used Flask to build a REST API to provide programmatic access to our main database

Collaborated with a team member to reduce ad hoc transformations in our ETL pipeline

Tools used: Python, R (tidyverse), Tableau, MySQL, Excel

**GIS Data Technician, Jan 2015 – Sep 2016**

NC State University, Raleigh, NC

Collected, cleaned, and entered data from literature review and museums trips.

Recruited collaborators to collect data in museums too far to visit.

Published a publicly available visualization to portray the shifting winter coat color distribution of 16 mammal and bird species worldwide

Tools used: Python, R, Tableau, SQL, ArcGIS, Excel

**Research Assistant, Apr 2014 – Mar 2015**

NC State University, Raleigh, NC

Designed an independent research project with available resources to improve the scientific understanding of the genetic basis of alcohol addiction and withdrawal

Heightened lab and research visibility by presenting preliminary results at two symposiums

Tools used: Excel, SAS (JMP)

Education

**B.S. in Biological Sciences**, concentration in Ecology, Evolution, and Conservation

2015, NC State University, Raleigh, NC

GPA: 3.98, Magna Cum Laude

Received the Caldwell Fellowship for creative, conscientious leadership

AdditionalSkills

Statistical data analysis, data visualization, machine learning, analytical writing, literate programming, Microsoft Office, HTML/CSS

Bilingual English/Spanish

21 data science certificates from Coursera