

# AIDEN V JOHNSON

DATA SCIENTIST + INNOVATOR + MENTOR

[Github.com/AVJdataminer](https://github.com/AVJdataminer)



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## SKILLS

Python

R

SQL

PySpark

Keras & Tensorflow

Linux

Distributed Computing on AWS

## DATA SCIENCE MENTOR

@Thinkful.com

@Springboard.com

@SharpestMinds.com

## EDUCATION

M.S.

Environmental Science & Statistics  
Montana State University,  
Bozeman, MT  
2014

B.S

Forestry & GIS  
University of Montana,  
Missoula, MT  
2010

## PROFESSIONAL PROFILE

I am an experienced machine learning practitioner, with a knack for leveraging data to derive actionable information for business solutions.

This is what I do:

- Lead the design, development, implementation, and documentation of predictive modeling solutions that drive growth and add value to your business enterprises.
- Identify, develop, and implement practical decision data science solutions like predictive regression modeling, decision trees, and supervised and unsupervised machine learning techniques.

## EXPERIENCE

**Blue Orange Digital | Remote | Sep. 2018 – Present**

### *Data Scientist*

- Machine Learning Algorithm development, review, and documentation.
- Technical proposal writing and project documentation.
- Work performed on Spark distributed system on AWS.

**CVS Health | Woonsocket, RI | Jan. 2018 – Aug. 2018**

### *Data Scientist – Machine Learning Team*

- Develop machine learning models for Minute Clinic scheduling optimization.
- Project planning, development, documentation and communication with Minute Clinic business partners and across the CVS organization.
- Facilitate the transition of modeling and data to Hadoop, increasing efficiency and reducing model run times.
- Wrote code for operational machine learning models through pilot testing and validation.

**Lincoln Financial Group | Hartford, CT | Dec. 2016 – Dec. 2018**

### *Data Scientist*

- Developed and implemented Machine Learning algorithms for data driven cross sell and customer retention business activities in Python and R.
- Led the initiation of AWS computing capabilities to expand intensive computing capabilities for data science team.
- Identified, analyzed, and interpreted current & emerging developments and business trends, and presented information to management.

## EXPERTISE

Machine Learning

Deep Learning

Random Forest

Clustering

Neural Networks

Natural Language Processing

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## PUBLICATIONS

[Hydrological Processes \(2016\)](#)

[30: 588-602](#)

[M.S. Thesis \(2015\)](#)

[Arctic, Antarctic, and Alpine](#)

[Research \(2012\)](#)

[44: 500-508](#)

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## INTERESTS

Hiking

Traveling

Mountain Biking

Skiing

Environmental Health

Medical Innovation

Education

Technology

Personal Development

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[Data Science Method –  
published on Medium](#)

## EXPERIENCE- CONT.

**Montana Dept. of Revenue | Bozeman, MT | Aug. 2014 – Aug. 2016**

### *Statistical Modeler*

- Provided technical expertise by developing, specifying and calibrating multivariate regression models for mass appraisal of residential and commercial properties in SAS and R.
- Conducted independent data analysis projects on economic market trends, spatial correlation, time trends, data segmentation and clustering in R.
- Implemented improved methods for process efficiency and effectiveness of market response models.
- Analyzed and reported on the performance of statistical models used within the department.

**Montana State Univeristy | Bozeman, MT | Jun. 2011 – Aug. 2014**

### *Machine Learning Research Assistant*

- Managed project logistics for multiple projects including transport and installation of scientific equipment and data collection by student researchers in remote environments of Montana and Alaska.
- Developed and collaborated on peer-reviewed manuscript publications and professional presentations, including writing, editing, data visualization, and maps.
- Completed an uncertainty analysis of image data via a Monte Carlo simulation in R and Matlab.
- Explored the efficacy of Information theory in image scale integration and image de-blurring.

**Red Castle Resources | Salt Lake City, UT| May 2010 – May 2011**

### *Remote Sensing Data Scientist*

- Implemented image classification on stacks of satellite data using a support vector machine algorithm in Python and Erdas Imagine; drafted associated documentation and performed accuracy assessments on results.
- Developed and presented a cohort of remote sensing data science courses for resource managers.
- Provided geospatial analysis project development support to USDA Forest Service employees.
- Authored, developed and published [Forest Carbon Monitoring: A Review of Selected Remote Sensing and Carbon Measurement Tools for REDD+](#)

**US ARMY | Jul. 2002 – Jul. 2010**

### *Healthcare Non Commisioned Officer*

- Supervision of junior soldiers and civilian employees.
- Provided patient care in diverse settings.