

Fisseha Berhane

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Summary

More than six years of data intensive research experience using R, Python, Matlab and GIS. Strong academic training and extensive experience with data mining and machine learning methods. Developed a rainfall prediction tool that uses various prediction models, including [Random Forest](#), [Artificial Neural Network](#), [Support Vector Machines](#) and [Boosting](#), for any geographic location with [Shiny](#), [HTML](#), [JavaScript](#), and [CSS](#). Data Science enthusiast. In addition to the data science courses I have done in grad school, I have taken more than 20 edX, Coursera and Udacity data science courses with [R](#), [Spark](#), [Python](#), [Matlab](#), and [Hadoop](#) and [MapReduce](#). Have done various data science related projects. Please visit my [website](#) for details on the projects I have worked on, data science related courses I have taken in grad school, online data science certifications and more.

Education

<i>Johns Hopkins University</i> , Baltimore, MD --- Ph.D. in Atmospheric Physics	2015/2016
<i>Johns Hopkins University</i> , Baltimore, MD ----M.A. in Atmospheric Physics	May 2013
<i>University of Connecticut</i> , Storrs, CT -----M.S. in Hydro-climatology	May 2011
<i>Mekelle University</i> , Ethiopia -----B.Sc. in Civil Engineering	June 2006

Research Positions

<i>Graduate Research Assistant</i> , Department of Earth and Planetary Science, Johns Hopkins University, Baltimore, Maryland.	August 2011 – 2015
<i>Graduate Research Assistant</i> , Department of Natural Resources and the Environment, University of Connecticut, Storrs, CT	2009 – May 2011

Teaching Experience

<i>Teaching assistant (TA)</i> , Department of Earth and Planetary Science, The Johns Hopkins University, Baltimore, Maryland.	Spring 2013
<i>Assistant Lecturer</i> , Department of Civil Engineering, Mekelle University, Ethiopia	2006-2009

Publications

Three peer-reviewed publications in the Journal of Climate (JCL), which is among the most prestigious Journals in Atmospheric Science, one in preparation and a master's thesis.

Presentations

More than 12 presentations, including in prestigious international conferences such as the American Geophysical Union (AGU) and the American Meteorological Society (AMS).