

CPSC 298 WIDS Datathon Resources

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WIDS Datathon Resources

WIDS Links

- [2023 Kaggle Competition](#)
- [2022 Kaggle Competition](#)
- [WIDS Resources](#)
- [2023 WIDS Notebooks](#)
- [2023 WIDS Community](#)

Machine Learning Resources

Other/Language Agnostic Resources

- [StatQuest YT Channel](#)
- [Prophet Time Series Package \(R and Python\)](#)
- [How to Handle Missing Data](#)
- [The Prevention and Handling of Missing Data](#)
- [Step Away from Stepwise](#)
- [ML Papers Explained](#)

R Resources

- [Introduction to Statistical Learning with Applications to R](#)
- [Tidy Modeling with R](#)
- [ML with Caret](#)
- [R for Data Science](#)
- [Data Science with R](#)
- [TidyModels Functions](#)
- [Introduction to dplyr \(data cleaning\)](#)

- [Time Series in R](#)
- [Text Mining with R](#)
- [XGBoost in R](#)

Python Resources

- [Introduction to Statistical Learning with Applications to Python](#)
- [Dr. Parlett's CPSC 392 Materials \(Lecture Playlist linked on Page\)](#)
- [Dr. Parlett's CPSC 392 Materials and YT Playlist](#)
- [Python Data Science Handbook](#)
- [Hands on Machine Learning with Scikit-Learn, Keras, and Tensorflow](#)
- [Practical Statistics for Data Science](#)
- [Sklearn Missing Data Imputation](#)
- [Cleaning Data with Pandas](#)
- [Time Series in Python](#)
- [Natural Language Processing in Python](#)
- [Keras for Beginners: Recurrent Neural Networks](#)
- [XGBoost in Python](#)
- [ARIMA Models in Python](#)
- [Polynomial Regression in sklearn](#)
- [Time Series Forecasting using XGoost Part II and Part II](#)
- [Autoencoders for Dimensionality Reduction](#)

Coding Resources

R Resources

- [Advanced R](#)
- [CodeCademy Free Courses](#)
- [Data Carpentry Introduction to R](#)

Python Resources

- [Dr. Parlett's CPSC 230 Course \(Lecture Playlist Linked on Page\)](#)
- [CodeCademy Python Free Courses](#)
- [Ken Jee Essential Python for DS](#)
- [List of Free Python Books](#)

Quarto Resources

- [Getting Started with Quarto](#)
- [Dr. Parlett's Quarto Example](#)
- [R Quarto Tutorial](#)