

Program: Vocational Education – High Tech

Course (Catalog) Title: Data Science

Course #: 626669

Instructor: Dan Bikle

Total Course Hours: 40

TOPICS	SPECIFIC PERFORMANCE OBJECTIVES
1	Histograms, Scatter Plots, Correlation, Time Series Plots, Time Series Calculations, Linear Regression
2	AWS, Linux, Git, Heroku
3	Vectors, SQL, Pandas, NumPy
4	Machine Learning, Python scikit-learn, Naive Bayes, Linear Regression, Logistic Regression, SVM, GBRT, Neural Networks
5	The R Language
6	ConvNetJS
7	Predictions from Features from Time Series
8	Visualizatons of Predictions
9	Serve Visualizatons to the Web
10	Deploy application to AWS-Heroku which predicts a financial market