

# Python data science

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# Data science

What is data science: “Extract meaningful insights from data”.  
*meaningful* is important - use the tools of programming /  
statistics to create meaning. You exercise a lot of judgement.

# Data science workflow

Not just machine learning - most work is data preparation, data transformation, method selection, communicating results.

# Python data science tools

how these line up with the tasks above

# R equivalents

pandas (comparison with R), matplotlib (comparison with ggplot) R corollaries” - how these line up with the tools mentioned above