

Making the jump from data analyst to data scientist

Mary Newhauser

Overview

Today's data scientist

How I went from data analyst to data scientist

Teaching yourself data science

About me

Data Scientist, Intelligent Solutions Team,
Wiley-VCH

Hired January 2019

Making the academic publishing process
smarter

Lots of NLP on article abstracts

Building a graph database



Today's data scientist

Many data scientists are new to the field.

Most data scientists are self-taught.

Men make up the majority of data scientists.

Data scientists tend to be very well educated.

kaggle

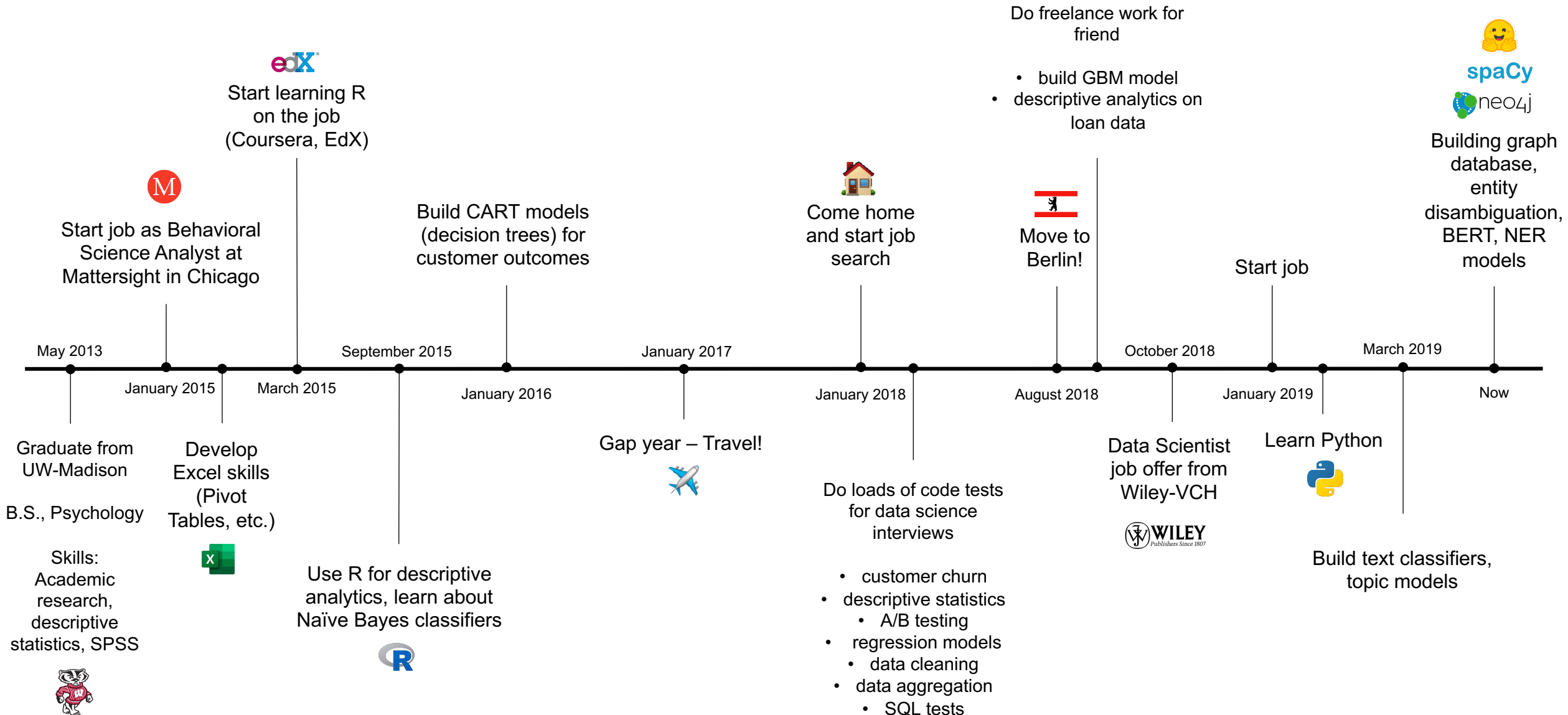
Kaggle's State of Data Science and Machine Learning 2019

Enterprise Executive Summary



**How I went from data
analyst to data scientist**

My timeline



My top tips

FAKE IT TILL YOU MAKE IT

Be overconfident



Search for opportunities in your current company



Apply to a range of position levels

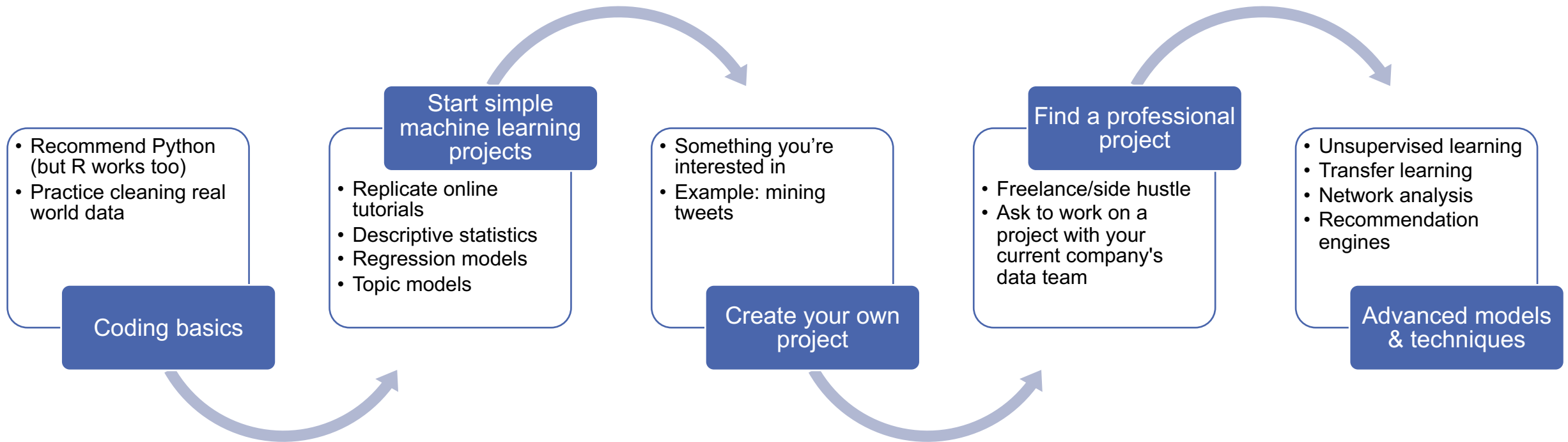
Build up a modest 'portfolio'



Know how to explain your code

Teaching yourself data science

Teaching yourself data science



Python & data science resources

[Code Academy](#) – Interactive online courses (free, paid option)

[Learnpython.org](#) – Similar to Data Camp but no videos (free)

[EdX](#) – Free online courses with great practice projects (free)

[Data Camp](#) – Awesome video courses (mostly paid)

[Sentdex YouTube channel](#) – Great video tutorials (1,000+)

Thanks for listening!

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