1. **The basics – road to become a data analyst**

Total Effort – 56 hours

<https://www.edx.org/course/introduction-to-data-analysis-using-excel-2>

Effort – 8 hours

<https://www.edx.org/course/analyzing-and-visualizing-data-with-excel-2>

Effort – 12 hours

<https://www.edx.org/course/querying-data-with-transact-sql-2>

Effort – 24 hours

<https://www.edx.org/course/analyzing-and-visualizing-data-with-power-bi-2>

Effort – 12 hours

1. **Essential Python for data analysis and data science**

Total Effort – 48 hours

<https://learn.datacamp.com/skill-tracks/python-programming>

Effort – 15 hours

<https://learn.datacamp.com/skill-tracks/importing-cleaning-data-with-python>

Effort – 17 hours

<https://learn.datacamp.com/skill-tracks/data-manipulation-with-python>

Effort – 16 hours

**Extras to work on during this track -**

Get familiar with Jupyter notebooks, the IDE of choice for data scientists

Get familiar with GitHub and version controlling your notebooks

1. **Python for Machine learning**

Effort – 50 hours

<https://learn.datacamp.com/skill-tracks/statistics-fundamentals-with-python>

Effort – 20 hours

<https://learn.datacamp.com/skill-tracks/machine-learning-fundamentals-with-python>

Effort – 20 hours

<https://learn.datacamp.com/courses/machine-learning-with-tree-based-models-in-python>

Effort – 5 hours

<https://learn.datacamp.com/courses/extreme-gradient-boosting-with-xgboost>

Effort – 5 hours

**Extras to work on during this track –**

Get started on Kaggle ML competitions -the following two are recommended

<https://www.kaggle.com/c/titanic>

<https://www.kaggle.com/c/house-prices-advanced-regression-techniques>