

## Day 15

### Pandas : Summary, Crosstab and Pivot

**Summary:** Used to describe the dataset.

<https://pandas.pydata.org/docs/reference/api/pandas.DataFrame.describe.html>

**Crosstab:** Tells us if there is any pattern / relationship between attributes

<https://pandas.pydata.org/docs/reference/api/pandas.crosstab.html>

**Pivot:** Creates a pivot table of the data frame

[https://pandas.pydata.org/docs/reference/api/pandas.pivot\\_table.html#pandas.pivot\\_table](https://pandas.pydata.org/docs/reference/api/pandas.pivot_table.html#pandas.pivot_table)

<https://jakevdp.github.io/PythonDataScienceHandbook/03.09-pivot-tables.html>

<https://medium.com/@yangdustin5/quick-guide-to-pandas-pivot-table-crosstab-40798b33e367>

Tutorial by Mr. Sharan Kumar:

<https://www.youtube.com/watch?v=Vuxl6YPXTaQ&list=PLH5IMW7dI2qfryTUxGvtpy9U NTdMgwCYy&index=15>

Sample Examples with Solutions:

<https://www.w3resource.com/python-exercises/pandas/excel/index-pivot.php>