

twinlab.Dataset.analyse_variance

Dataset.analyse_variance(*columns*, *verbose=False*)

Return an analysis of the variance retained per dimension.

Parameters:

- **columns** ([list\[str\]](#)) – List of columns to evaluate. This would usually be either the set of input or output columns.
- **verbose** ([bool](#), *optional*) – Display information about the operation while running.

Return type:

[DataFrame](#)

Returns:

pandas.DataFrame containing the variance analysis.

Example

```
dataset = tl.Dataset("quickstart")
dataset.analyse_variance(columns=["x", "y"]) # Usually the columns would be either input or output columns
```

	Number of Dimensions	Cumulative Variance
0	0	0.000000
1	1	0.925741
2	2	1.000000

[Previous](#)
[twinlab.Dataset.summarise](#)

[Next](#)
[twinlab.Dataset.analyse_input_variance](#)