

## Multiple categorical variables:

### 1. Task Description

This task involves analyzing relationships between multiple categorical variables in a dataset. Specifically, a contingency table was created to examine interactions between "Gender," "Age Group," and "Product Purchased" using pandas.

### 2. Task Output Screenshot

Product Purchased		No	Yes	All
Gender	Age Group			
Female	Adult	1	0	1
	Senior	0	3	3
	Young	0	1	1
Male	Adult	1	1	2
	Senior	1	0	1
	Young	1	1	2
All		4	6	10

### 3. Widget/Algorithm Used In Task

- **pandas** library for data manipulation.
- **crosstab** function in pandas to generate the contingency table, summarizing data across categories.