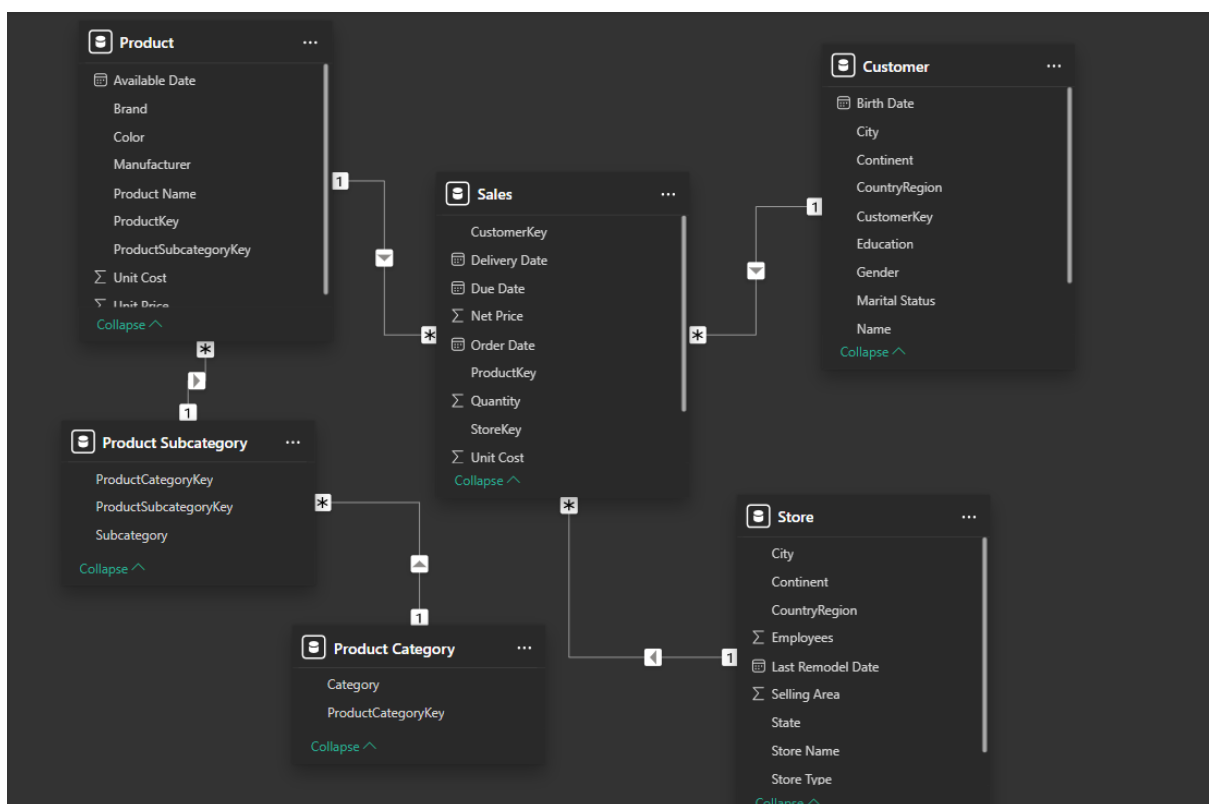# MLSA Internship Report of Project Work

Summer Internship Program on

<u>Data Analytics</u>

Sample data: Provided by MLSA

Star Schema for Data Set for better understanding

Difficulty Level	Module	Project	Description	Skills
Easy	Get started building with Power BI	Simple Power BI Report	Creating a basic report in Power BI using sample data.	Power BI, Data visualization

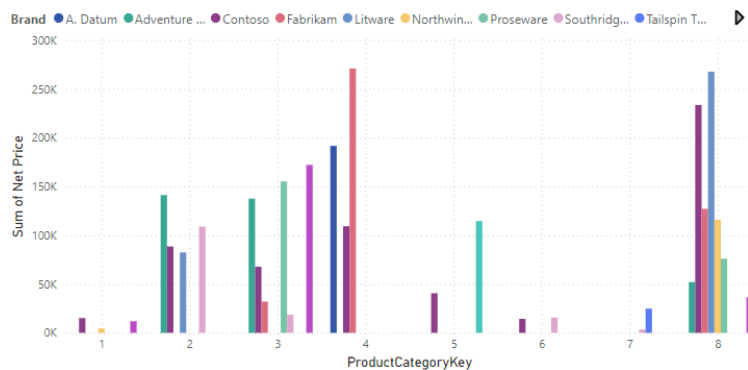<u>Easy Project: Simple Power BI Report</u>
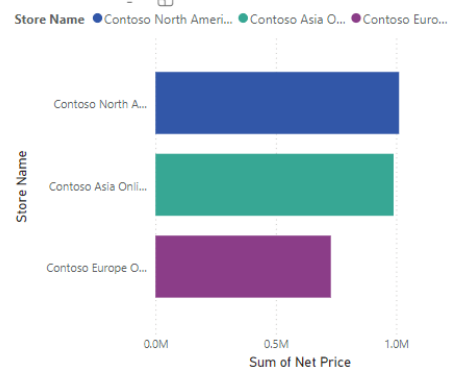
Sales Overview Report

Sum of Net Price by ProductCategoryKey
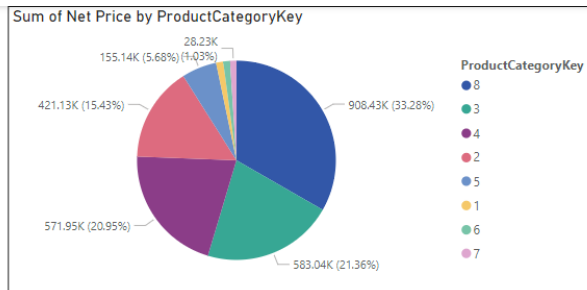
2.73M
Sum of Net Price

12.54K
Count of CustomerKey

Sum of Net Price by ProductCategoryKey and Brand

Brand ● A. Datum ● Adventure ... ● Contoso ● Fabrikam ● Litware ● Northwin... ● Proseware ● Southridg... ● Tailspin T...

Sum of Net Pr... ...me and Store Name

Store Name ● Contoso North Ameri... ● Contoso Asia O... ● Contoso Euro...

Difficulty Level	Module	Project	Description	Skills
Intermediate	Design Power BI reports	Interactive Power BI Report	Designing an interactive report in Power BI with multiple visuals.	Power BI, Data visualization

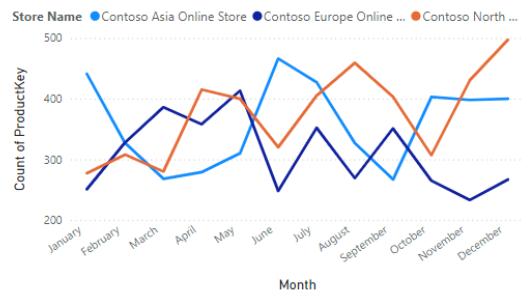## Intermediate Project: Interactive Power BI Report

Product Sales Analysis
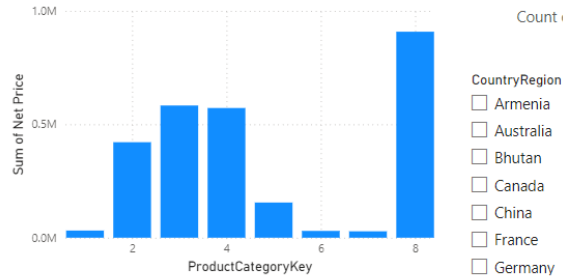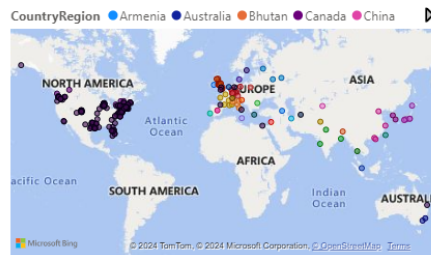
### Sum of Net Price by ProductCategoryKey

12.54K
Count of Sales

CountryRegion
- ☐ Armenia
- ☐ Australia
- ☐ Bhutan
- ☐ Canada
- ☐ China
- ☐ France
- ☐ Germany

Count of ProductKey by Month and Store Name
Store Name ●Contoso Asia Online Store ●Contoso Europe Online ... ●Contoso North ...

City and CountryRegion
CountryRegion ●Armenia ●Australia ●Bhutan ●Canada ●China

Count of Sales by ProductCategoryKey and ProductCategoryKey
ProductCat... ●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8
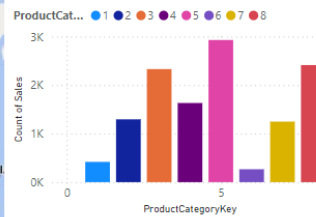
Customer Insights

CustomerKey	199	306	307	Total
6			100.99	100.99
10			89.00	89.00
11			89.00	89.00
47			56.00	56.00
48			56.00	56.00
49			56.00	56.00
51			56.00	56.00
77			7.19	7.19
78			7.19	7.19
83		16.14		16.14
84		16.14		16.14
93			7.19	7.19
Total	10,11,871.80	7,28,537.04	9,89,150.77	27,29,559.61

Product Sales Analysis
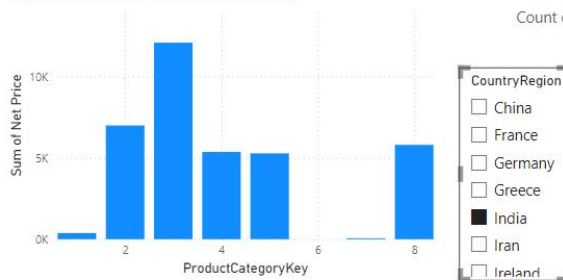
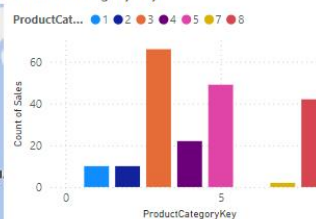### Sum of Net Price by ProductCategoryKey

201
Count of Sales

CountryRegion
- ☐ China
- ☐ France
- ☐ Germany
- ☐ Greece
- ☑ India
- ☐ Iran
- ☐ Ireland
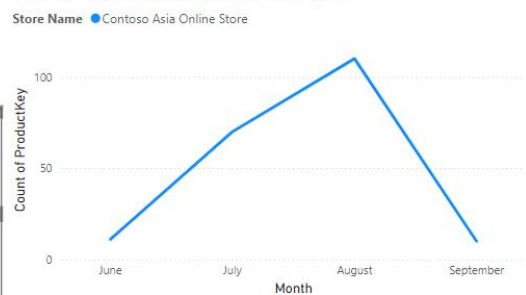
Count of ProductKey by Month and Store Name
Store Name ●Contoso Asia Online Store

City and CountryRegion
CountryRegion ●Armenia ●Australia ●Bhutan ●Canada ●China

Count of Sales by ProductCategoryKey and ProductCategoryKey
ProductCat... ●1 ●2 ●3 ●4 ●5 ●7 ●8

Customer Insights

CustomerKey	307	Total
19128	15,704.05	15,704.05
19131	8,442.26	8,442.26
19133	11,742.99	11,742.99
Total	35,889.30	35,889.30

Product Sales Analysis
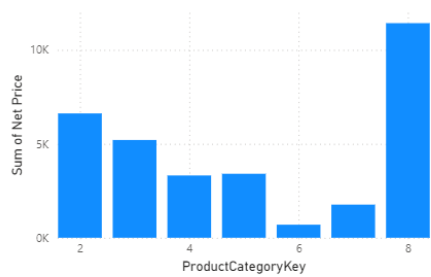
Sum of Net Price by ProductCategoryKey

246
Count of Sales
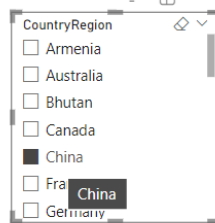
CountryRegion
- ☐ Armenia
- ☐ Australia
- ☐ Bhutan
- ☐ Canada
- ☑ China
- ☐ Fra[nce] China
- ☐ Germany
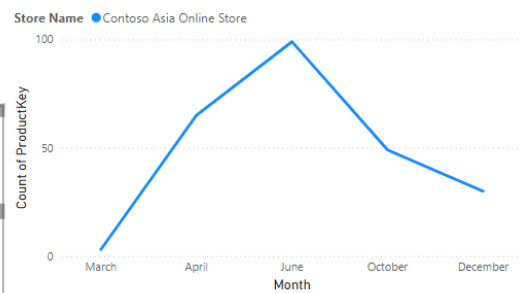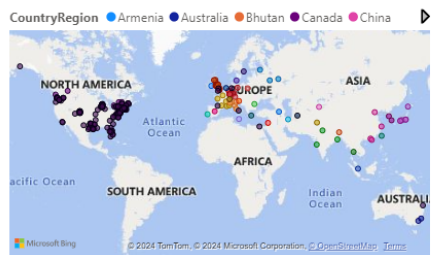
Count of ProductKey by Month and Store Name

Store Name ● Contoso Asia Online Store

City and CountryRegion

CountryRegion ● Armenia ● Australia ● Bhutan ● Canada ● China

Count of Sales by ProductCategoryKey and ProductCategoryKey

ProductCat... ●2 ●3 ●4 ●5 ●6 ●7 ●8
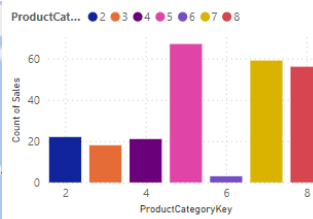
Customer Insights

CustomerKey 307		Total
19120	14,868.64	14,868.64
19125	2,965.33	2,965.33
19126	7,264.80	7,264.80
19137	6,907.99	6,907.99
19143	426.40	426.40
Total	**32,433.16**	**32,433.16**