Chapter 5

# Applying the Concepts: StatCrunch Instructions

## Select Variables

1. Open the Suppliers.csv dataset in StatCrunch.
2. Look at the Country for Supplier ID 10.
3. Look at the Country for Supplier ID 1.
4. Look at the Country for Supplier ID 29.

## Select Distinct Values of Variables

1. Open the suppliers.csv data in StatCrunch.
2. Data → Remove Duplicates
3. Columns to analyze → Country
4. Options: → Remove entire row
5. Click Remove.

## Filter Text Variables

1. Open the suppliers.csv data in StatCrunch.
2. Data → Row Selection → Select Where
3. Enter the following expression:

*“Country”=”France”*

1. Click Compute!
2. Data → Row Selection → Select Where
3. Enter the following expression:

*“Country”=”USA”*

1. Click Compute!

## Filter with the Not-Equal Operator

1. Open the suppliers.csv data in StatCrunch.
2. Data → Row Selection → Select Where
3. Enter the following expression:

*“Country”!=”USA”*

1. Click Compute!
2. Data → Row Selection → Select Where
3. Enter the following expression:

*“Country”!=”France”*

1. Click Compute!

## Filter Using a Wildcard

1. Open the Products.csv data in StatCrunch.
2. Data → Row Selection → Select Where
3. Enter the following expression:

*startsWith("ProductName","C")*

1. Click Compute!
2. Data → Row Selection → Select Where
3. Enter the following expression:

*endsWith("ProductName","e")*

1. Click Compute!
2. Data → Row Selection → Select Where
3. Enter the following expression:

*startsWith("Unit","48")*

1. Click Compute!

## Filter a Quantitative Variable

1. Open the OrderDetails.csv data in StatCrunch.
2. Data → Row Selection → Select Where
3. Enter the following expression:

*"Quantity">=45*

1. Click Compute!
2. Data → Row Selection → Select Where
3. Enter the following expression:

*"Quantity">10*

1. Click Compute!

## Filter Missing Values

1. Open the OrderDetails.csv data in StatCrunch.
2. Data → Row Selection → Detect → Empty
3. Select Column → OrderID
4. Click Compute!

## Filter Multiple Conditions Simultaneously

1. Open the OrderDetails.csv data in StatCrunch.
2. Data → Row Selection → Select Where
3. Enter the following expression:

*"Quantity">=10 and "OrderID"=10293*

1. Click Compute!
2. Data → Row Selection → Select Where
3. Enter the following expression:

*"Quantity">15 AND "OrderID"=10294*

1. Click Compute!

## Order by a Variable

1. Open the Suppliers.csv data in StatCrunch.
2. Hover your mouse over the header in the ‘SupplierName’ column. A dropdown arrow will appear.
3. Click the dropdown → Sort table ascending
4. Hover your mouse over the header in the ‘SupplierName’ column. A dropdown arrow will appear.
5. Click the dropdown → Sort table descending.

## Summarize a Quantitative Variable

1. Open the OrderDetails.csv dataset in StatCrunch.
2. Stat → Summary Stats → Columns
3. Columns: → Quantity
4. Statistics → Mean, Min, Max
5. Click Compute!

## Summarize a Quantitative Variable by a Categorical Variable

1. Open the OrderDetails.csv data in StatCrunch.
2. Stat → Summary Stats → Columns
3. Select columns: → Quantity
4. Group by → ProductID
5. Statistics → Mean
6. Click Compute!
7. Do not turn on binning - Select Cancel.
8. Stat → Summary Stats → Columns
9. Select columns: → Quantity
10. Group by → OrderID
11. Statistics → Mean
12. Click Compute!
13. Do not turn on binning - Select Cancel.

## Create a New Variable

1. Open the Products.csv data in StatCrunch
2. Data → Compute → Expression
3. Enter the following expression:

*Price\*30*

1. Click Compute!

## Merge Two Tables

StatCrunch functionality projected for 2025.