

Practical LINQ

Analyzing Data

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Introduction

- **Totaling**
 - Sum
- **Grouping and Summing**
 - GroupBy
 - Display results on WPF Chart
- **Mean, Median and Mode**
 - Average
 - OrderBy
 - GroupBy

Totaling

- **Analysis:**
 - What is the total amount we have invoiced?
 - How many units have we sold?
- **ForEach**
- **Sum operator**

Grouping and Summing

- **GroupBy**

- Single Property
 - What is our receipt total vs our accounts receivable?
- Multiple Properties
 - What are our receipts over time?
 - How overdue are our invoices?
- Parent property
 - Are we advertising enough to local businesses?
 - Is it worth the extra cost to sell to government customers?

Mean, Median and Mode

- **Mean**
 - Average
- **Median**
 - Middle
- **Mode**
 - Highest occurrence

Summary

- **Totaling**
- **Grouping and Summing**
 - Display results on WPF Chart
- **Mean, Median and Mode**