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| **Section 1 - Introduction** |
| Course Introduction |
| **Section 2 - Domain Padding and Data Densification** |
| Section Intro |
| What are they and when are they used? (with examples) |
| Data prep using Excel |
| Data prep using Custom SQL |
| Data prep using LOD calculation |
| Quiz: Basic Definitions and Usage |
| **Section 3 - Viola Chart** |
| Section Intro |
| Background and Use Cases |
| Challenge: Symptoms of Wealth Inequality |
| Data Preparation - Excel Manipulation |
| Data Preparation - Custom SQL |
| Calculations and Core Chart |
| Building the Core Chart |
| Completing the Visualization |
| **Section 4 - Hexbin Chart** |
| Section Intro |
| Background and Use Cases |
| Challenge: US Population Modeling |
| Base Hexbin Calculations |
| Data Preparation - Densification using LOD |
| Secondary Calculations |
| Building the Chart and Interactivity |
| Problem: Which Mercator to Use? |
| WM Base Hexbin Calculations |
| WM Secondary Calculations |
| Completing the Visualization |
| **Section 5 - Advanced Table Calculations** |
| Section Intro |
| Basic Table Calculations Review |
| Addressing and Partitioning |
| Restarting Every and Sort Order |
| Nested Table Calculations |
| Quick Review: Data Densification |
| Quiz: Definitions and Caveats |
| **Section 6 - Sankey Diagram** |
| Section Intro |
| Background and Use Cases |
| Challenge: Titanic Passenger Survival |
| Data Preparation - Cleaning and Densification using LOD (a variant) |
| Base Sankey Calculations |
| Secondary Calculations |
| Building the Core Chart - Nesting Table Calculations |
| Secondary Charts - Percents of Totals |
| Completing the Visualization |
| Homework: Double Sankey |
| Homework Answers |
| **Section 7 - Likert Scale Chart** |
| Section Intro |
| Background and Use Cases |
| Challenge: Restaurant Performance Survey |
| Data Preparation - Lookup Table, Import, and Cleaning |
| Base Likert Calculations |
| Building the Core Chart |
| Adding Summary Totals Using a Dual Axis |
| Homework: Adding in New Dimensions |
| Homework Answers |
| **Section 8 - Advanced Dashboard Layout Techniques** |
| Section Intro |
| Dashboard Objects Review |
| Tiled vs. Floating Layout Mechanics |
| Sizing: Containers and Dashboards |
| Navigation Using Actions |
| Quiz: Definitions and Use Cases |
| **Section 9 – Hamburger Menus in Tableau** |
| Section Intro |
| Background and Use Cases |
| Challenge: Regional Store Reporting |
| Base Container and Home Page Layout |
| Extra Practice: Applying Layout to Regions |
| Building the Hamburger Menu: Custom Shapes |
| Building the Hamburger Menu: Show/Hide Actions |
| Navigation and Completing the Workbook |
| Homework: Completing Full Navigation Functionality |
| Homework Answers |
| **Section 10 - Conclusion** |
| Congratulations! |