

Building a Custom Data Chart

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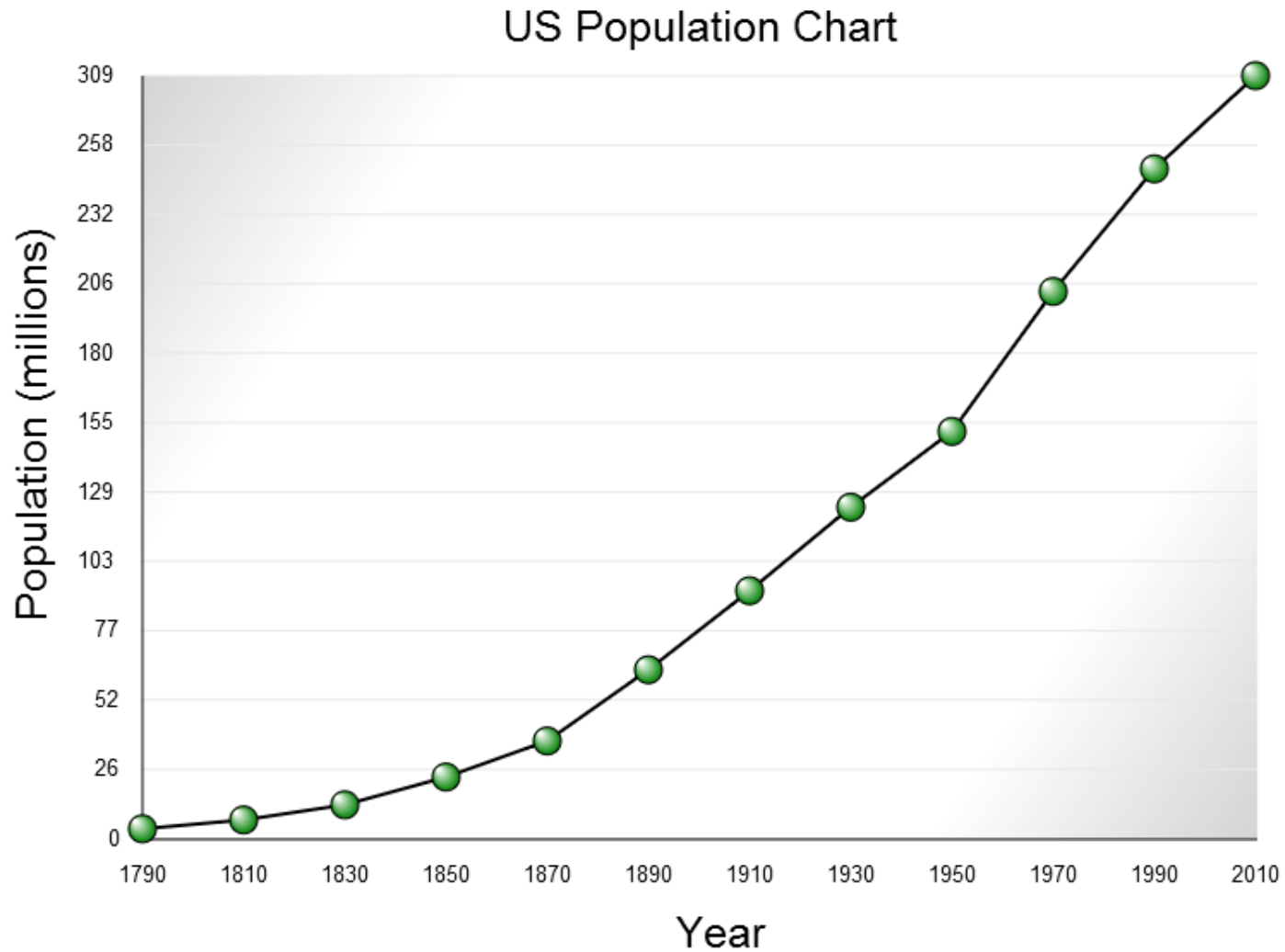
Agenda

- **Creating the CanvasChart Object**
- **Rendering Text and Gradients**
- **Rendering Data Points Text and Guide Lines**
- **Connecting Data Point Lines**
- **Rendering Data Points**
- **Adding Animation**
- **Adding Overlays and Interactivity**

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CanvasChart Object



CanvasChart Features

- **Features found in the CanvasChart object:**
 - Render lines and points
 - Display text on x and y axes
 - Use of gradients
 - Built-in animations as chart loads
 - Mouse interactions
 - Dynamic data overlay
 - Settings object that allows control over how the chart renders
 - Script follows the Revealing Module Pattern

CanvasChart API

- **CanvasChart has the following public API:**

render(canvasID, dataObj)

- Initializes the overlay div
- Locates the canvas and creates the 2d context
- Calculates chart maximums and ratio based on data
- Kicks off the rendering process by calling private functions

renderType

- Property that allows the type of chart rendering to be defined (lines and/or points)

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Summary

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