**What is ggplot?**  
ggplot is a **popular visualization library from R**. In Python, we use the plotnine package to work with ggplot-style visualizations.

**Why use ggplot (plotnine)?**  
Uses a **grammar of graphics** approach  
Works **well with Pandas** DataFrames  
Provides **layered plotting** (easy to build complex plots)

**What is Grammar of Graphics?**

**Grammar of Graphics is a framework for building data visualizations. Instead of thinking of plots as individual chart types (bar, pie, line...), it breaks down a visualization into components (or “grammar”) — like how language is built from nouns, verbs, adjectives, etc.**

**Think of It Like Building Sentences**

**Just like you build sentences with:**

**Subject + Verb + Object**

**You build a plot with:**

**Data + Aesthetics + Geoms + Stats + Scales + Facets + Themes**