Anatomy of a Figure

Three Top-level Components

Pylab

Collection of command style functions that make matplotlib work like MATLAB

Frontend

Set of classes that abstract actual plotting mechanics and details using a high-level user API

Backend

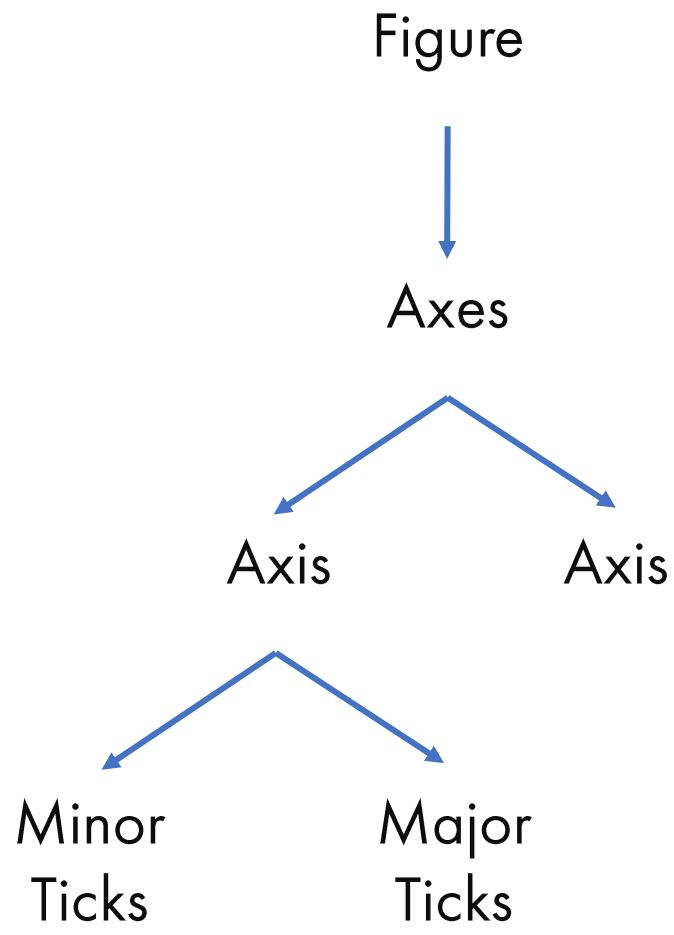
Renderers, that transform the frontend representation to hardcopy or a display device

Hierarchy

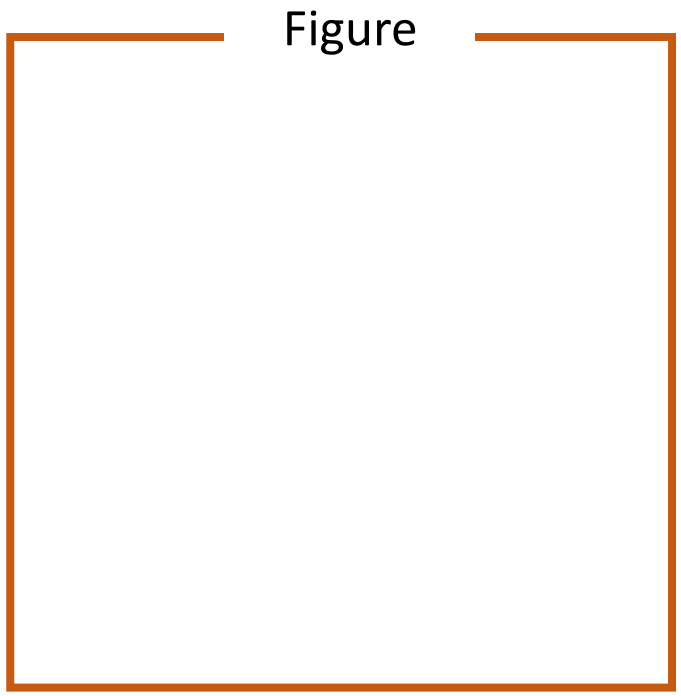
Figure is a top-level container

PyPlot APIs operate at higher levels

Matplotlib APIs at lower levels

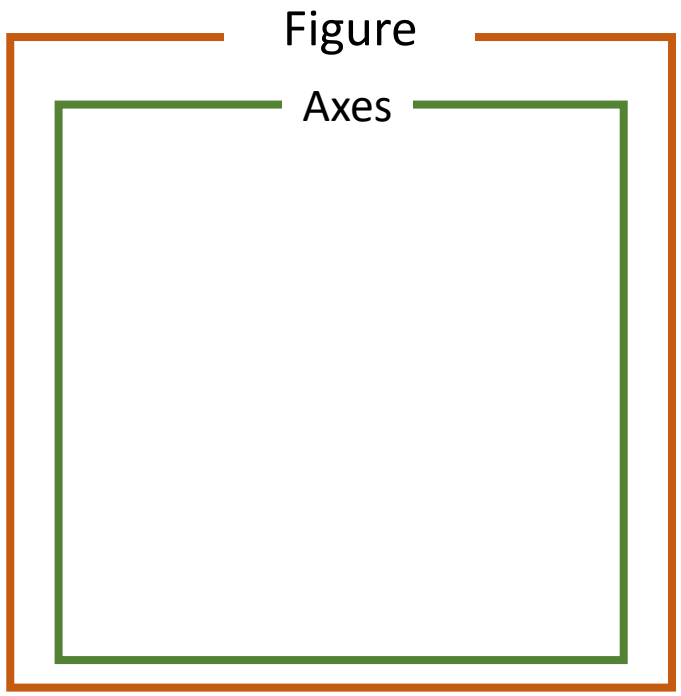


Matplotlib Object Hierarchy



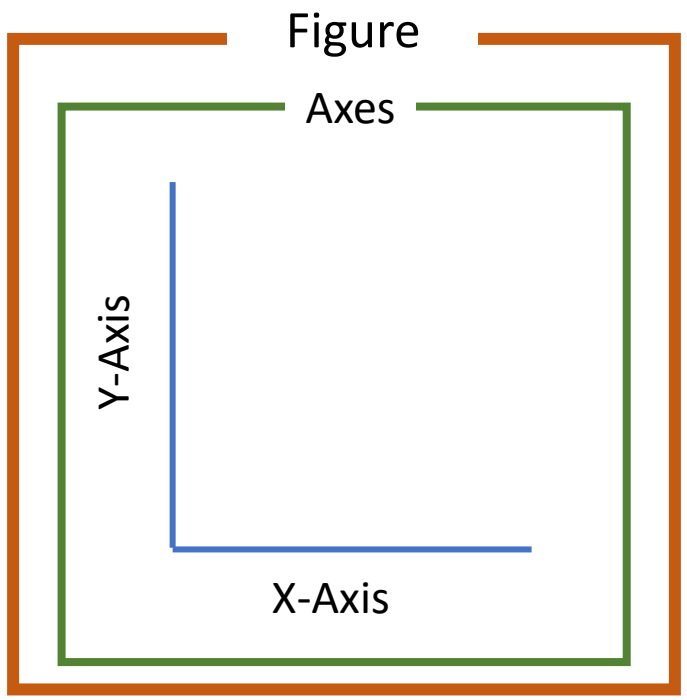
Overall window or page, within which all operation are performed

Matplotlib Object Hierarchy



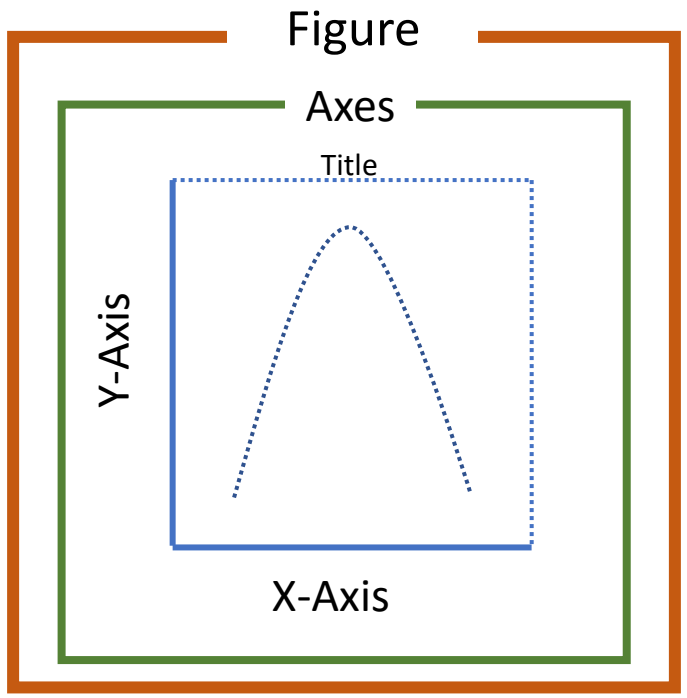
Area within a figure actual graphs are plotted

Matplotlib Object Hierarchy



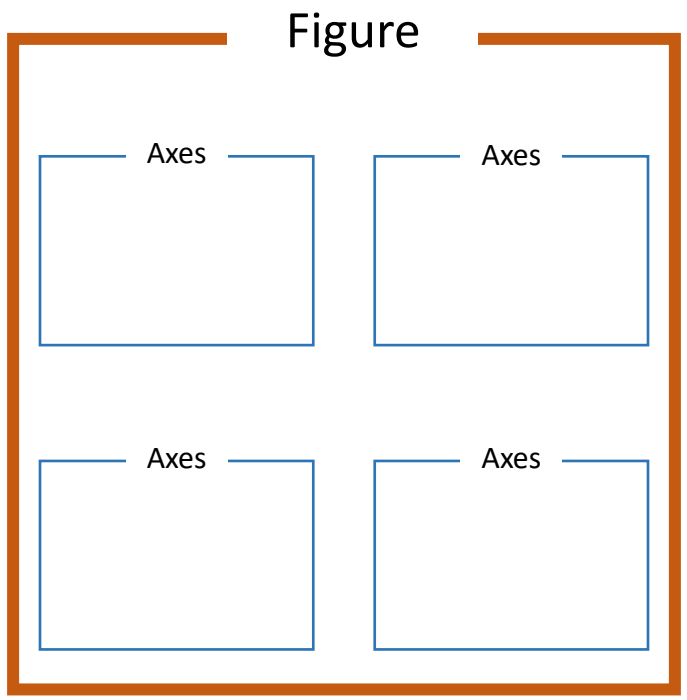
Axes has an X-Axis and a Y-Axis

Matplotlib Object Hierarchy



Contains ticks, tick locations, labels

Matplotlib Object Hierarchy



A figure can have more than one axes

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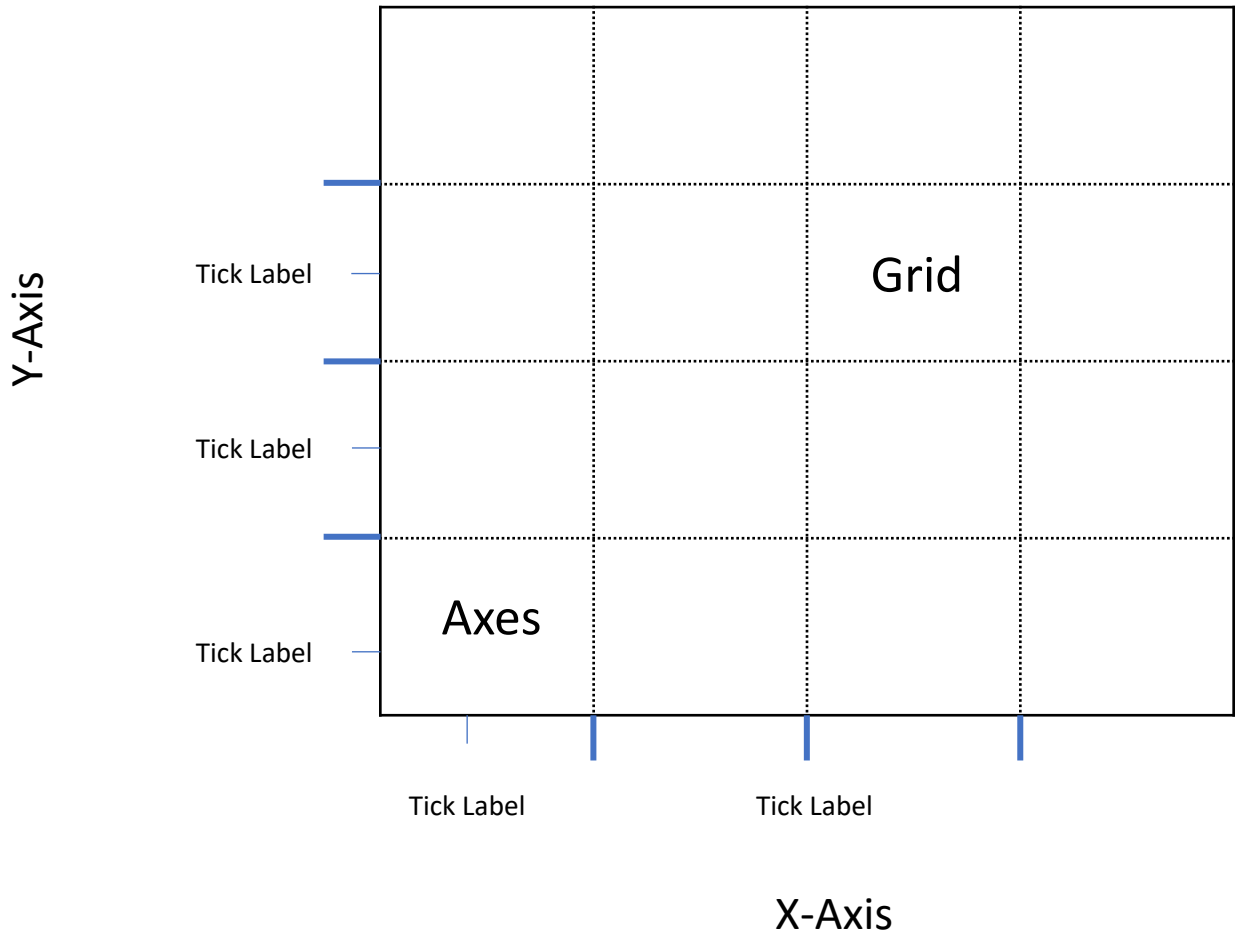

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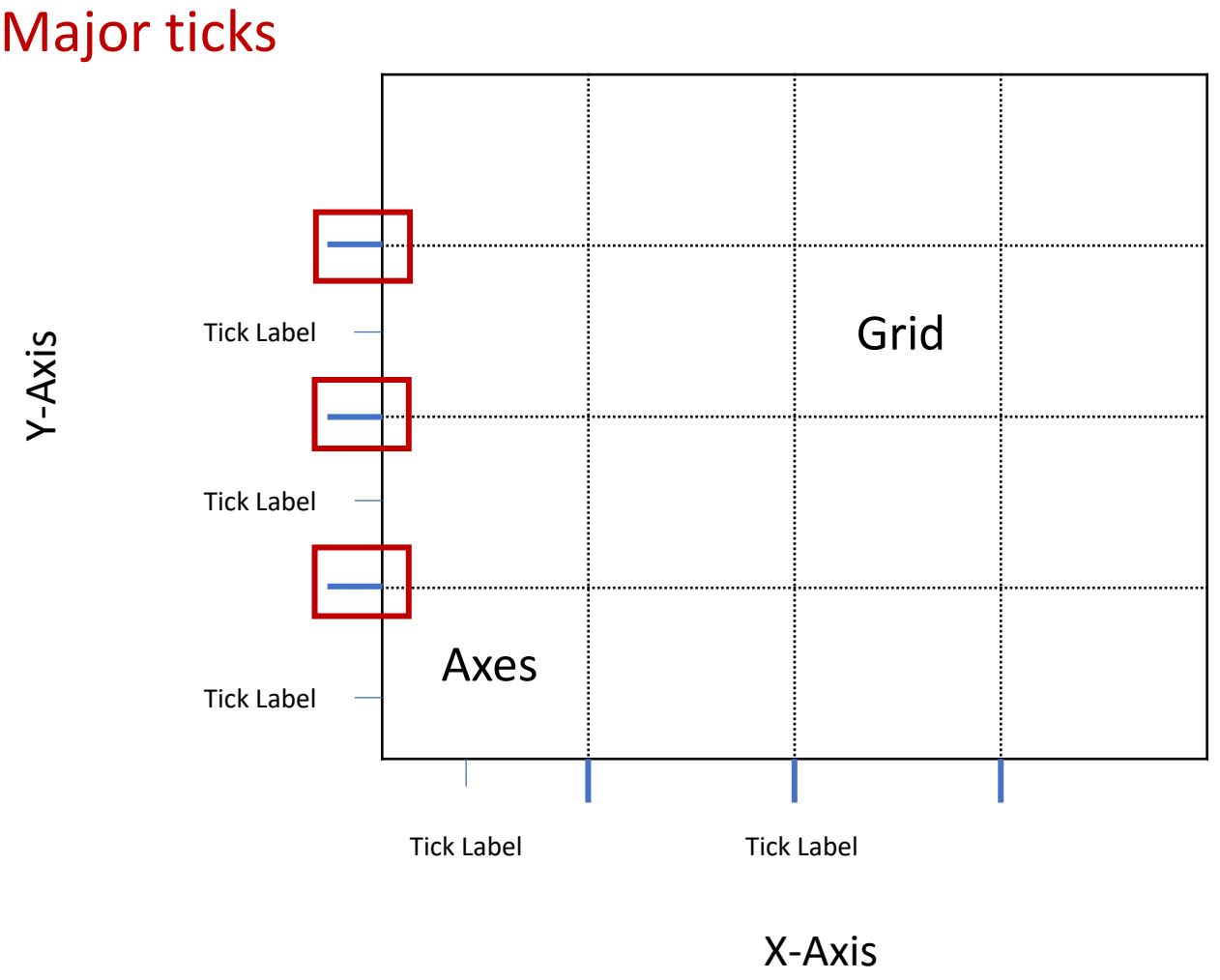

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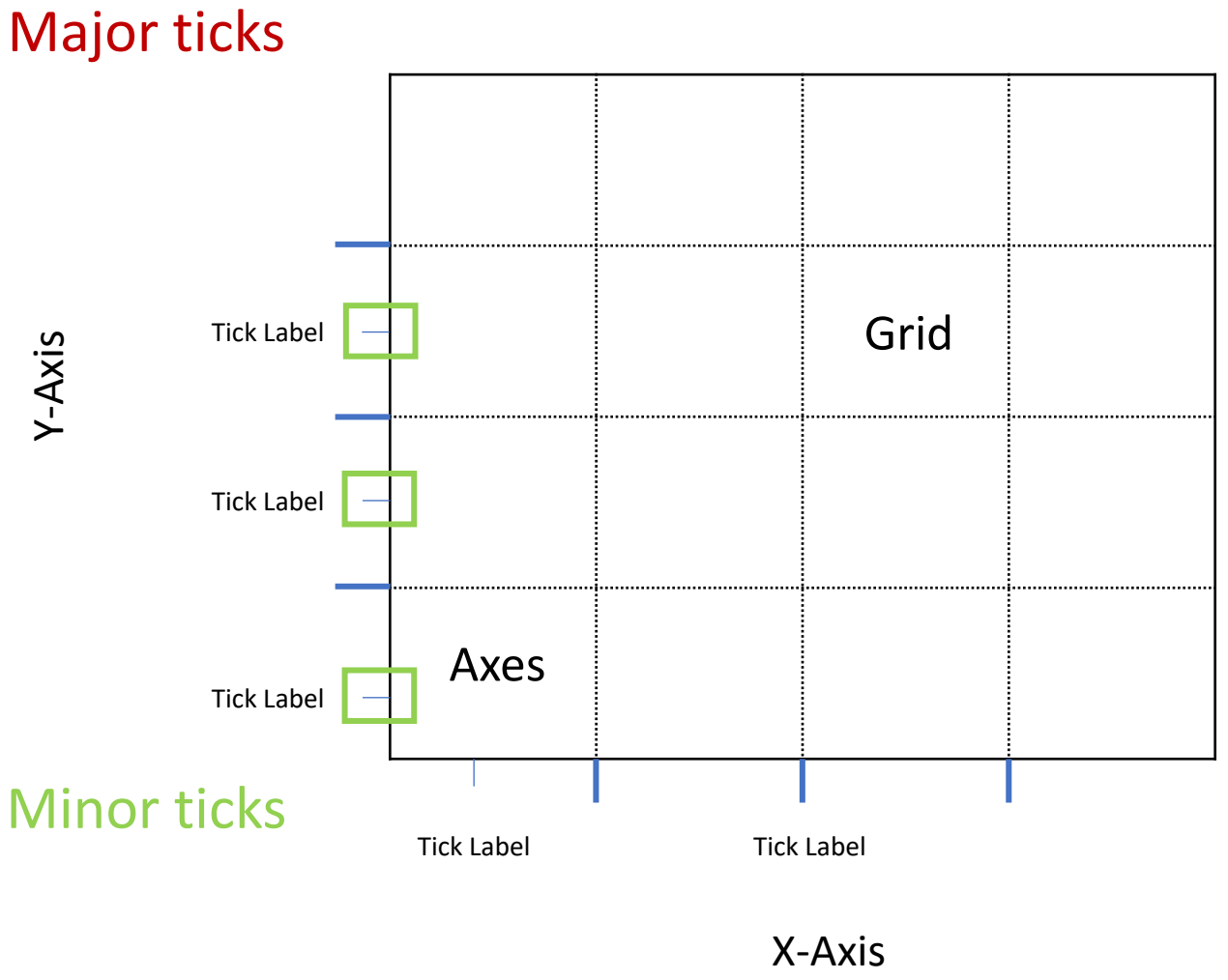

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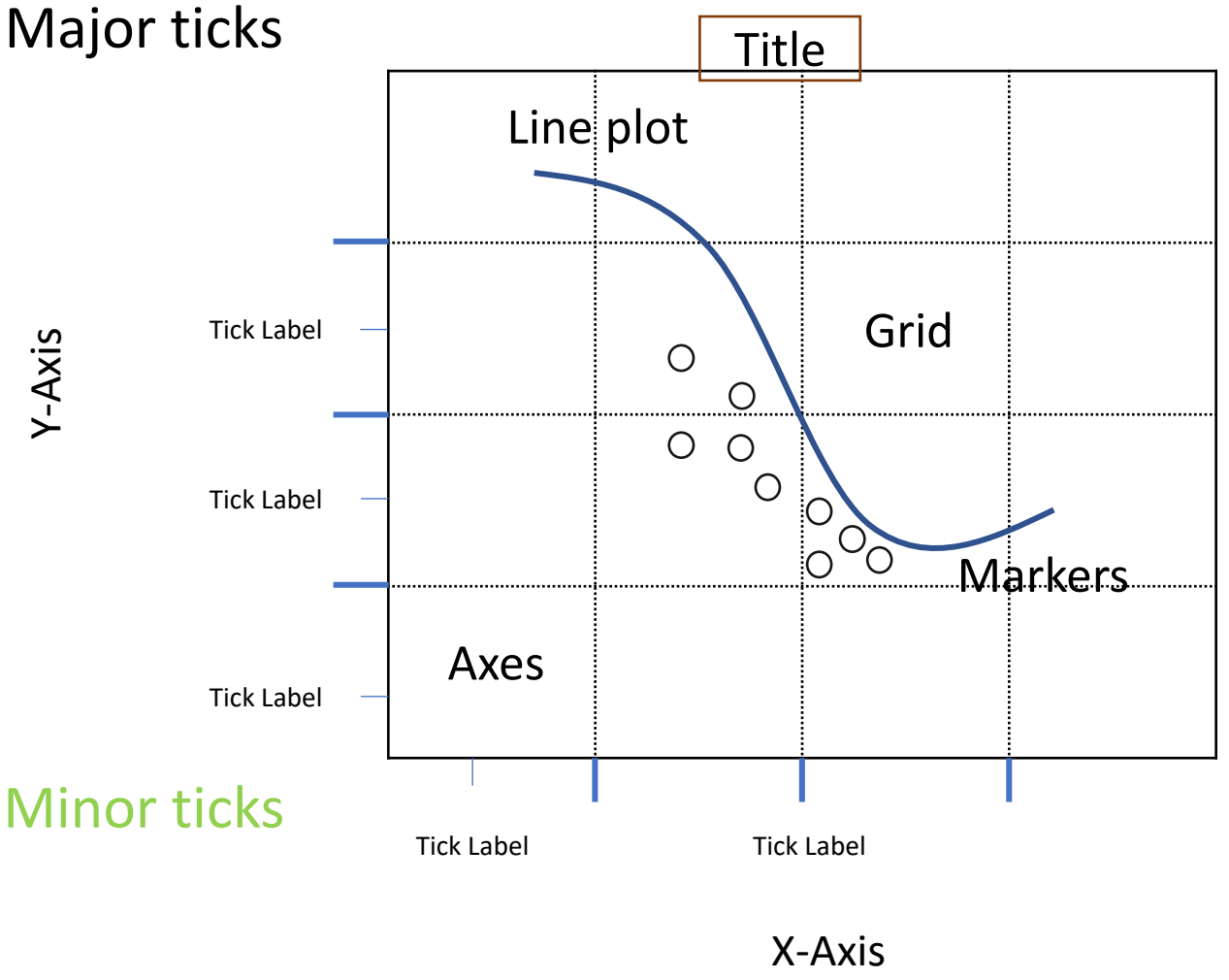
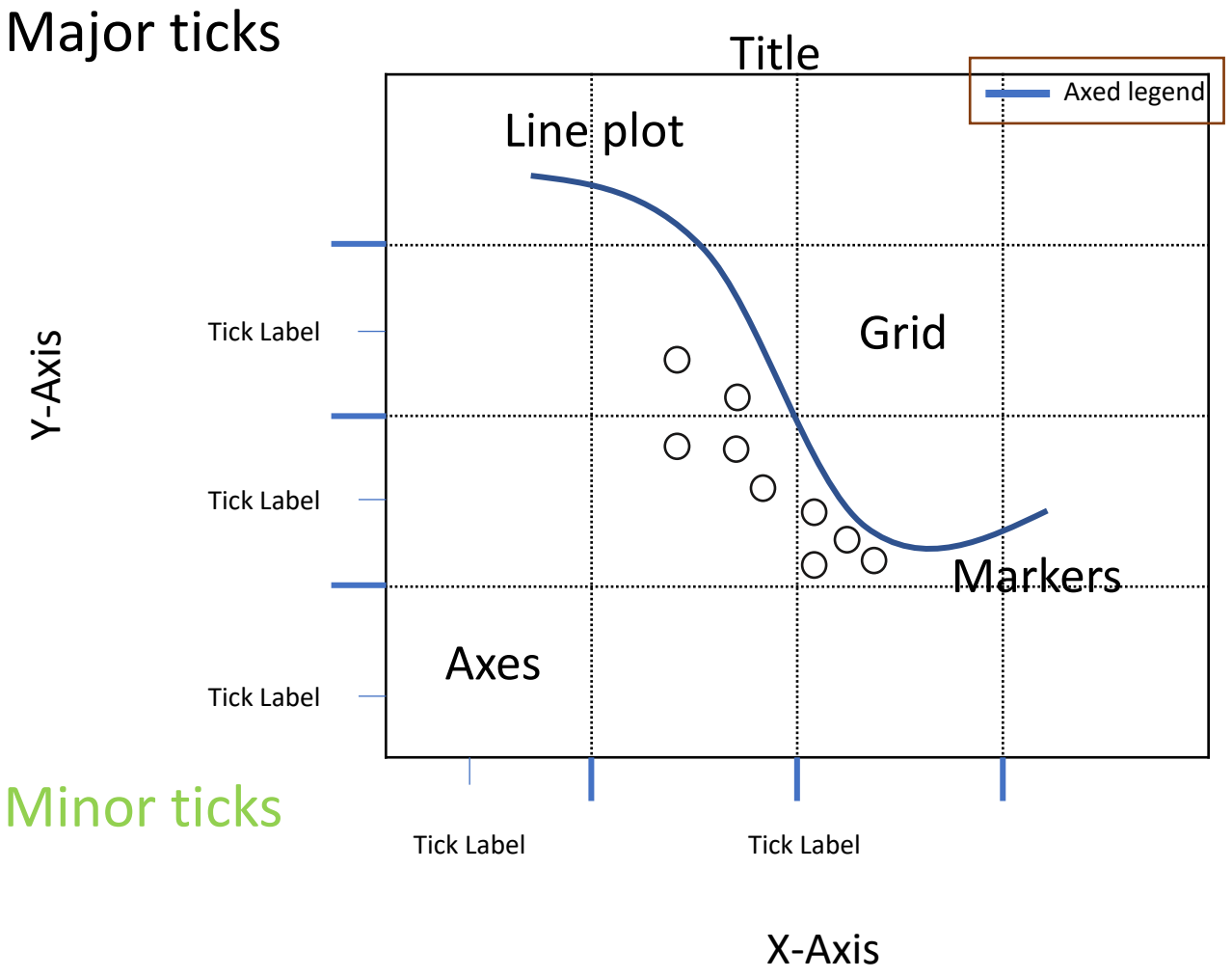
Anatomy of a Figure