



‘GRAMMAR OF GRAPHICS’ – AN INTRODUCTION

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A step-change in
quantitative social
science skills
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GRAMMAR

(noun)

'The basic elements of an area of knowledge or skill'.

The quick brown fox jumps over the lazy dog.

ELEMENTS	
ARTICLE	THE
ADJECTIVE	QUICK BROWN
NOUN	FOX
VERB	JUMPS
PREPOSITION	OVER
ARTICLE	THE
ADJECTIVE	LAZY
NOUN	DOG

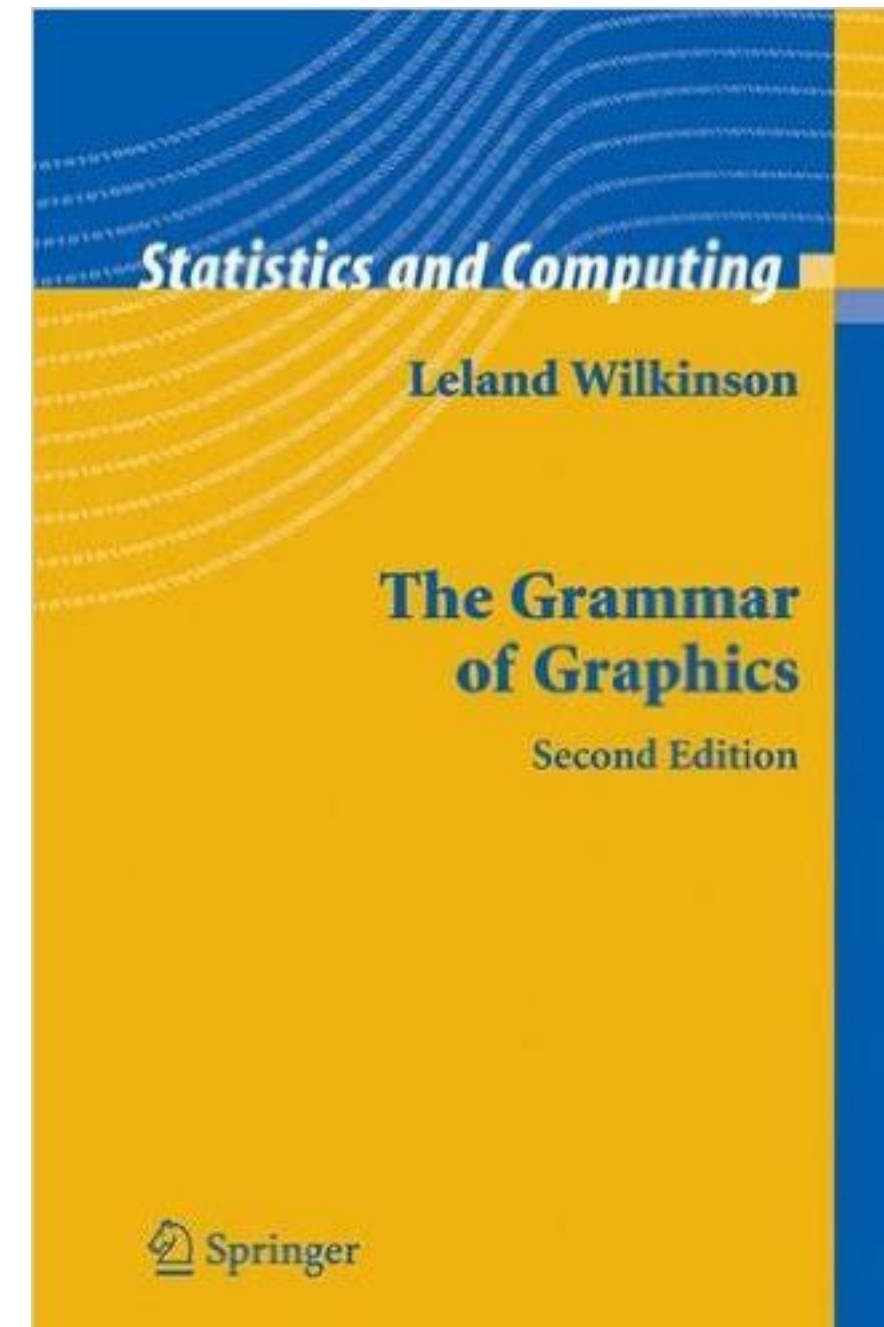
THE GRAMMAR OF GRAPHICS

Mainly associated with Leland Wilkinson

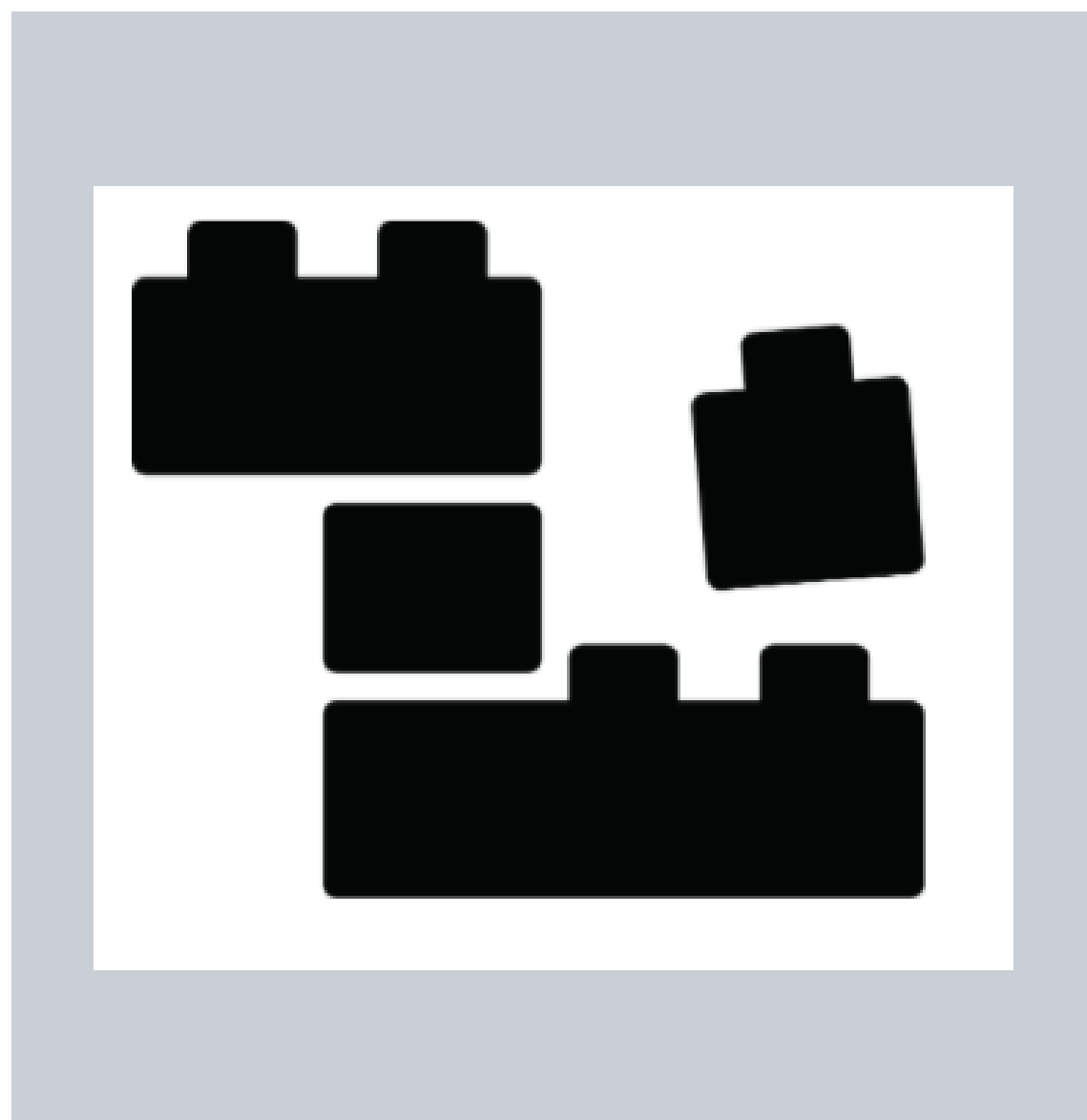
- and developed by Hadley Wickham

Why are we talking about it?

- Framework for thinking about any graphs
- Heavily used in statistical computing



THE 'LAYERS' OF THE GRAMMAR OF GRAPHICS



Ggplot helps us use the layers

It provides a structure to combine different graphical elements into figures - that will ultimately help display data in a meaningful way.