DATA VISUALIZATION

UNIT – V (PART – II)

Changes overtime

1 The origin of time charts

2 The line chart

3 The dual axis line chart

4 The connected scatterplot

Changes overtime

5 The date filed type and seasonality

6 The timeline

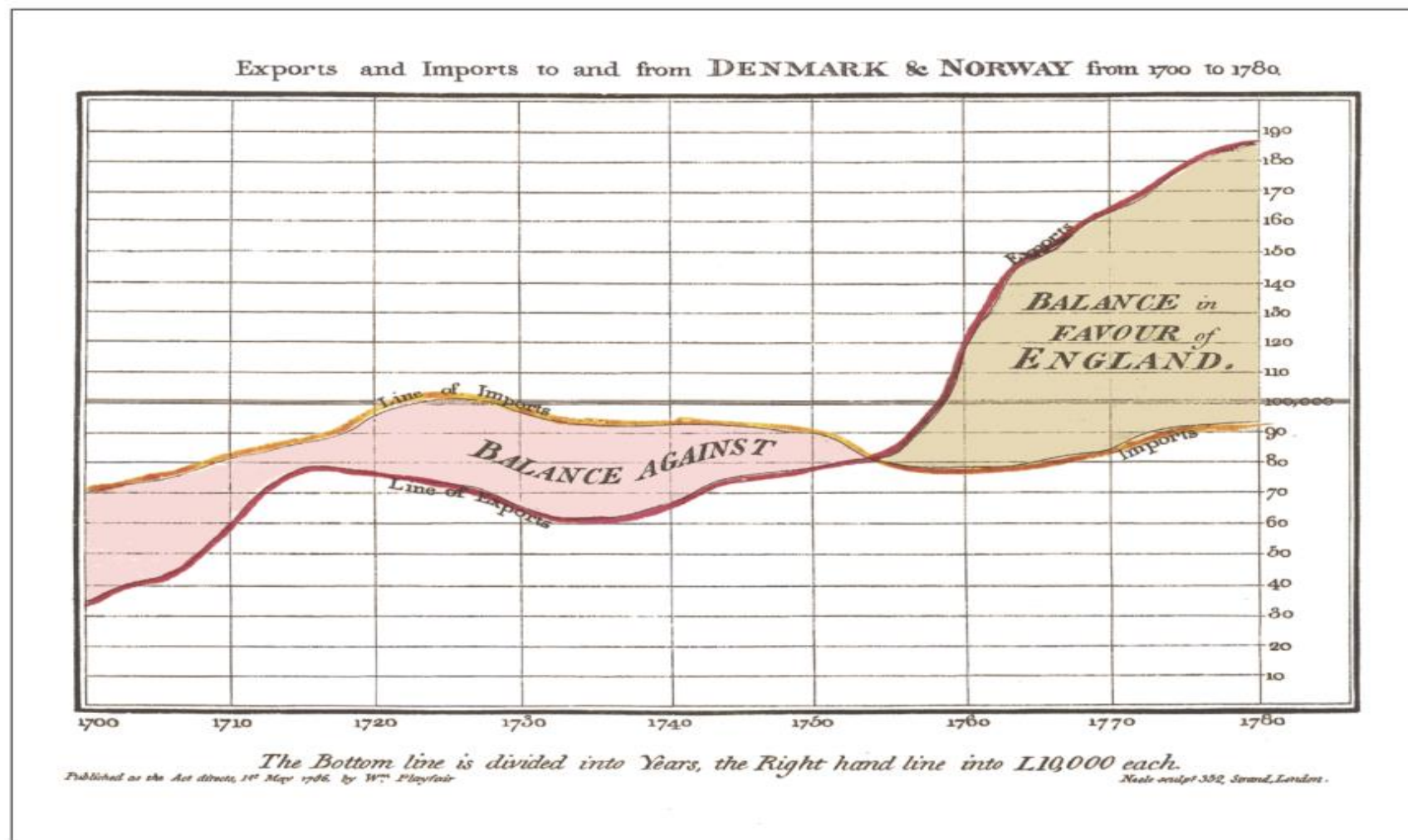**7** The slope graph

The origin of time charts

Exports and Imports to and from DENMARK & NORWAY from 1700 to 1780.

BALANCE in FAVOUR of ENGLAND.

Line of Imports

BALANCE AGAINST

Line of Exports

Exports

Imports

The Bottom line is divided into Years, the Right hand line into L10,000 each.

Published as the Act directs, 1st May 1786. by Wm. Playfair

Naele sculpt 352, Strand, London.

Figure 9-1. The first line chart, by William Playfair in 1786

The line chart
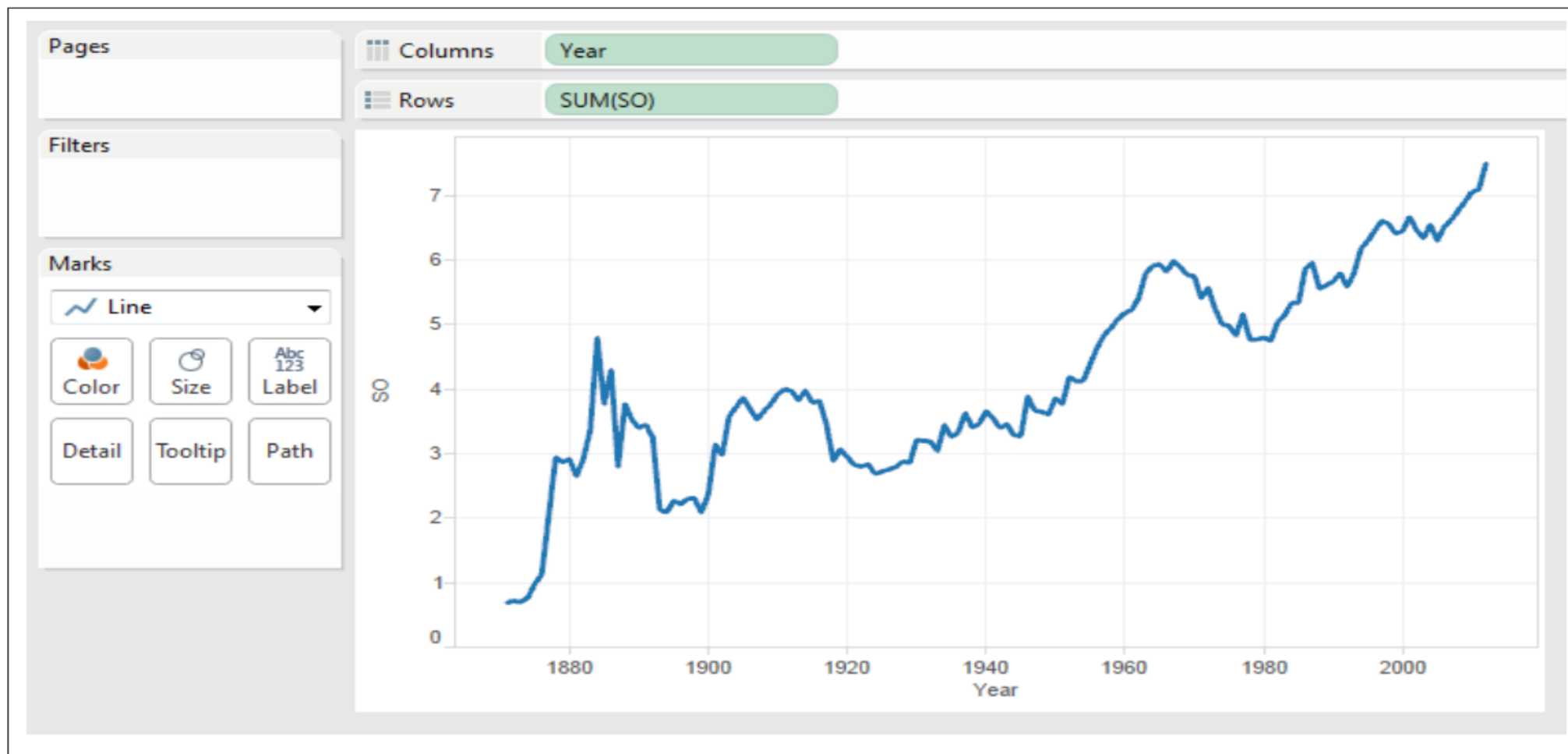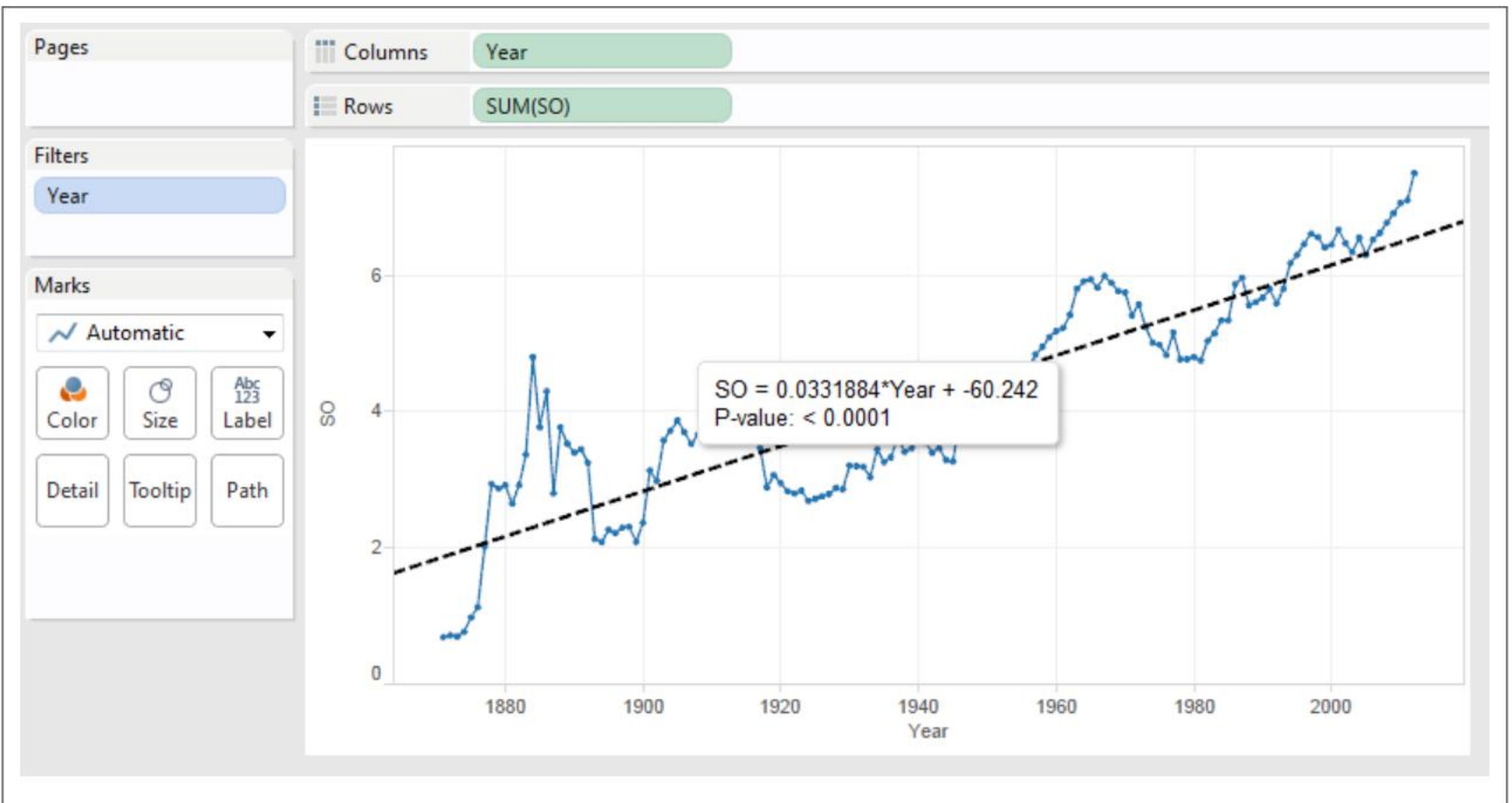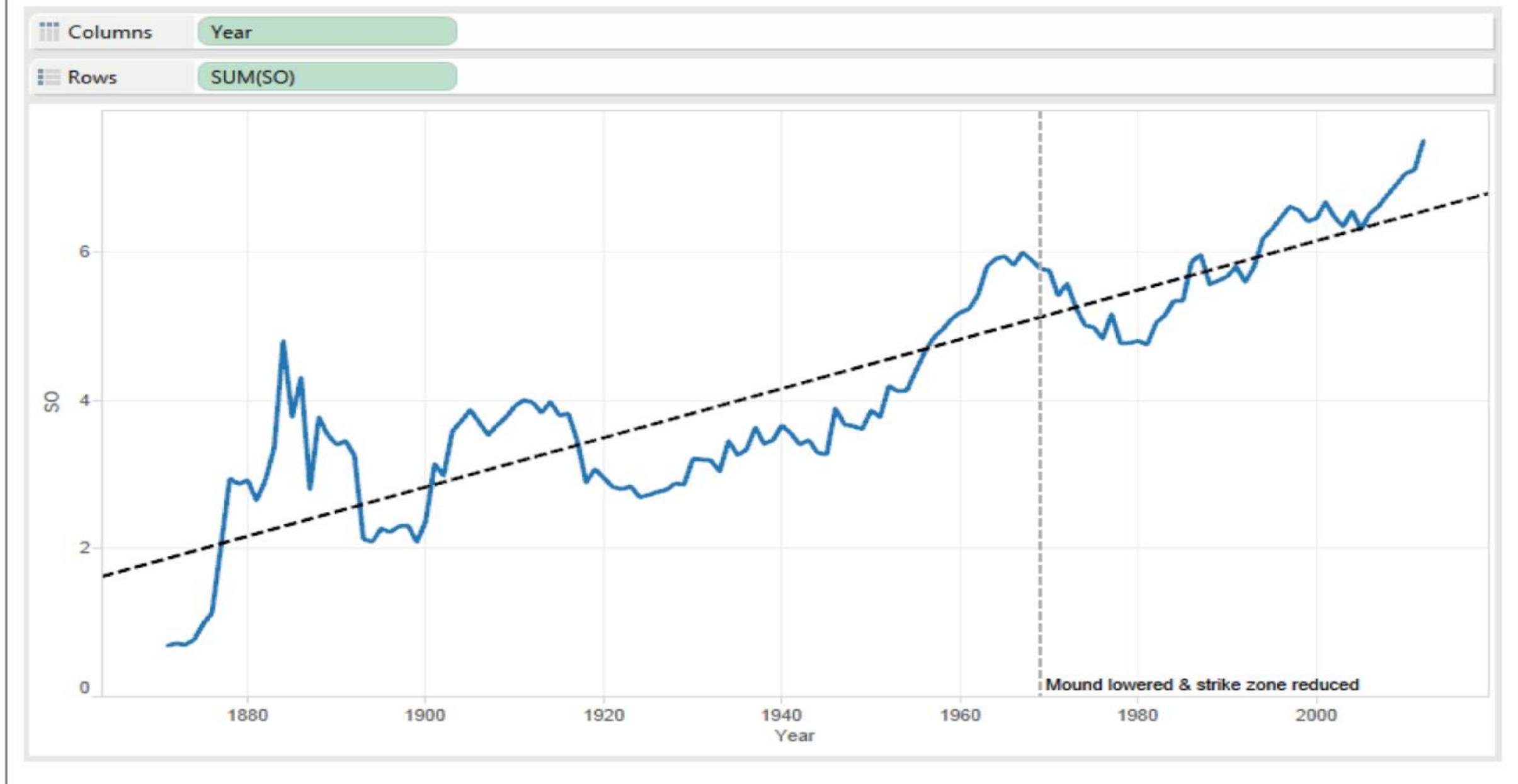

Figure 9-3. A simple line chart showing the increase

Figure 9-4. Strikeout line chart with trend line added

Columns	Year
Rows	SUM(SO)

Figure 9-5. Updated line chart with added reference line
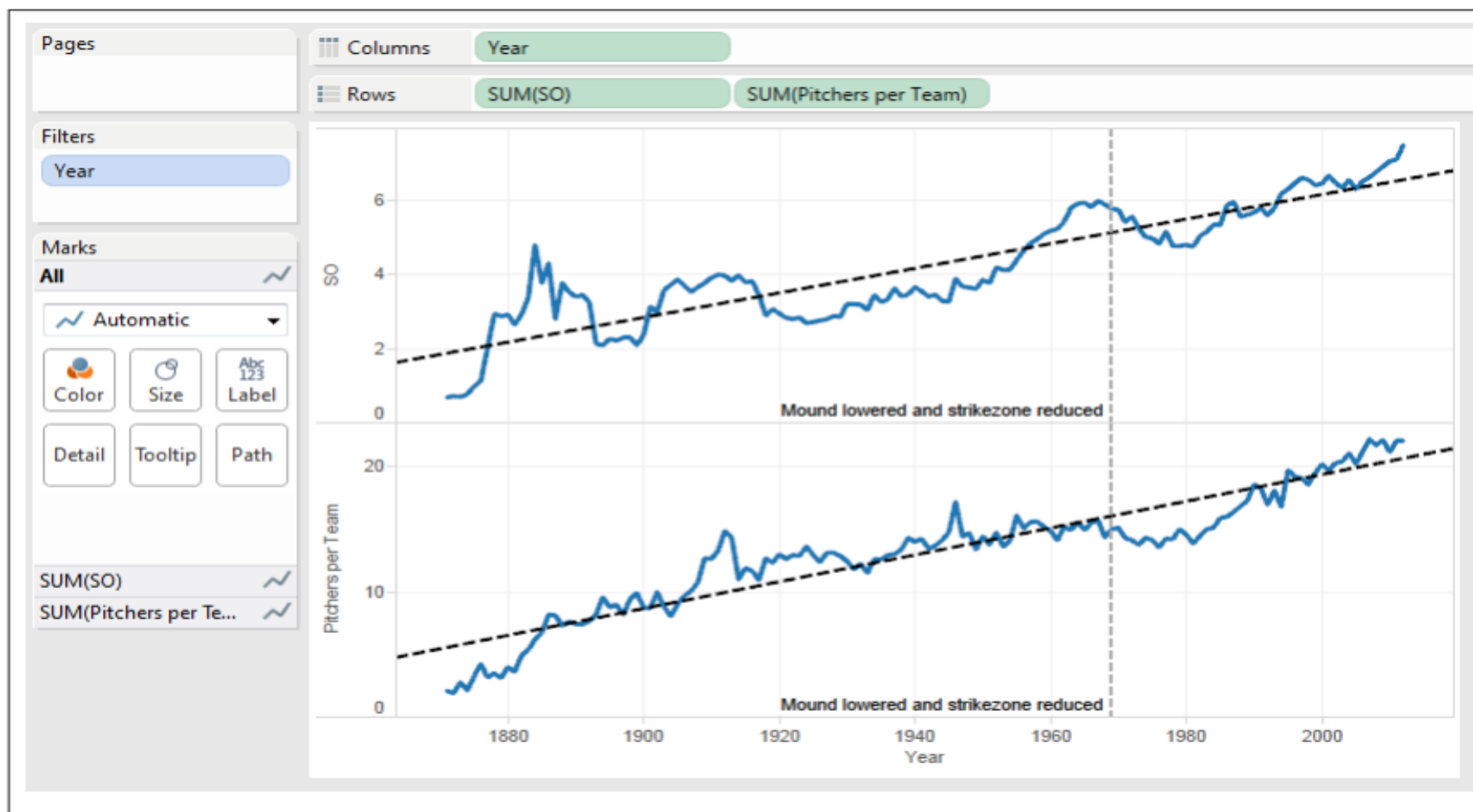
The dual axis line chart

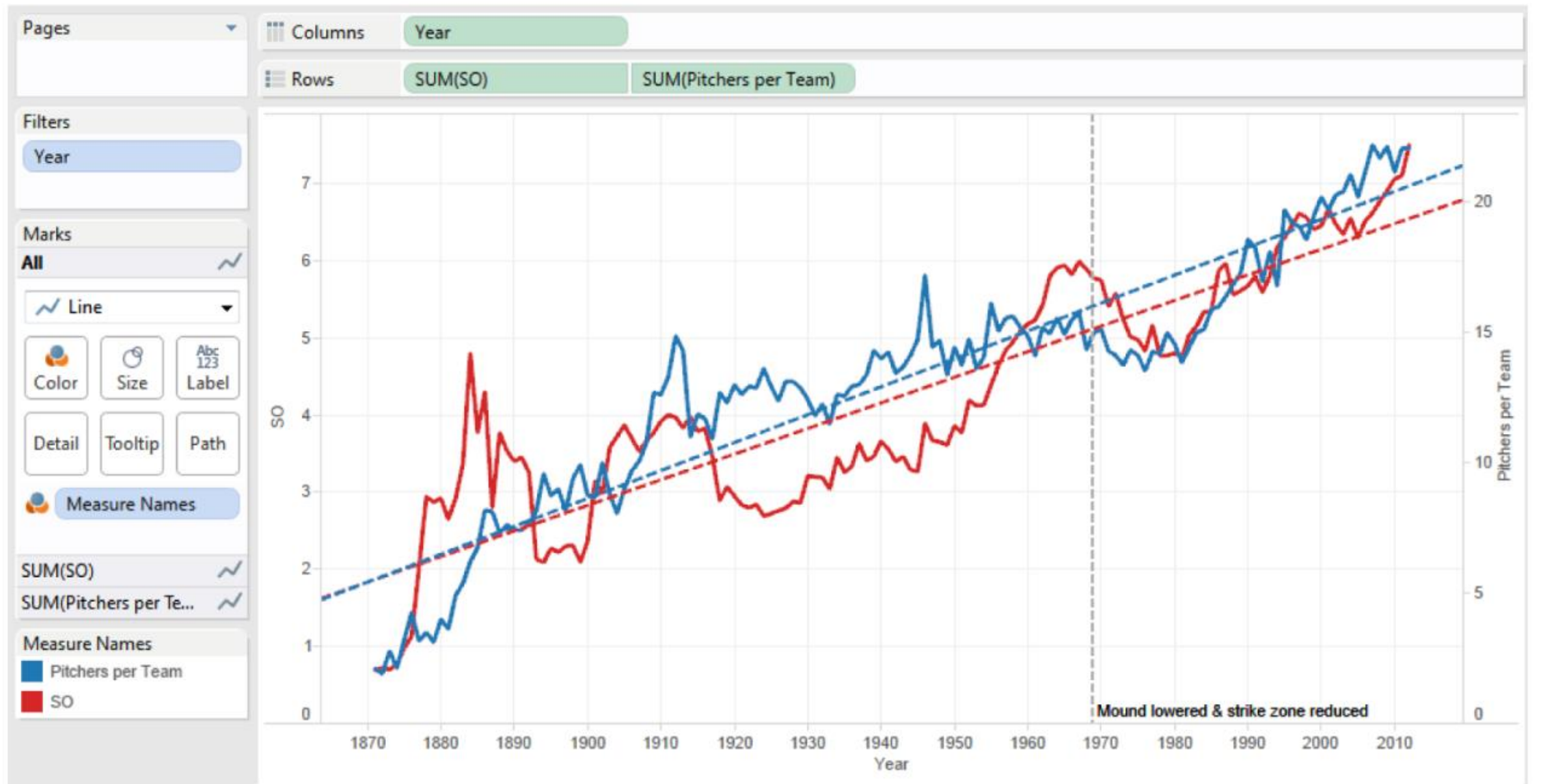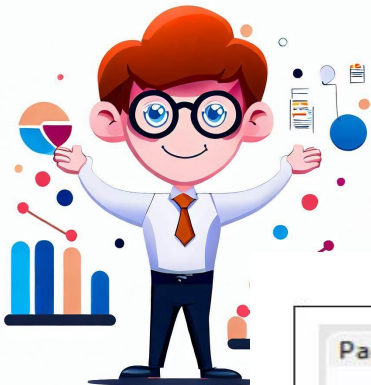Figure 9-6. Two line charts, shown one above the other

Figure 9-7. The dual-axis line chart
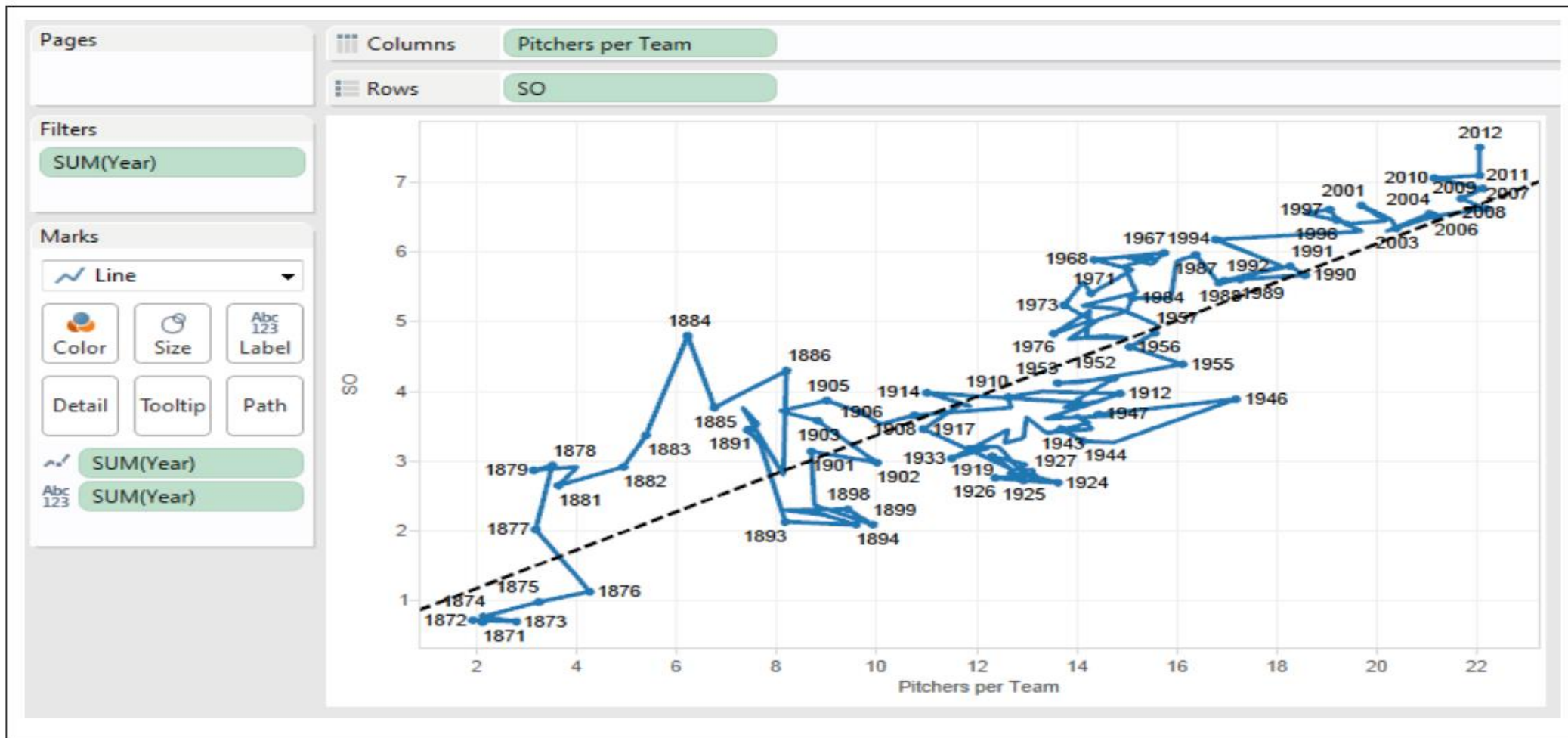
The connected scatterplot
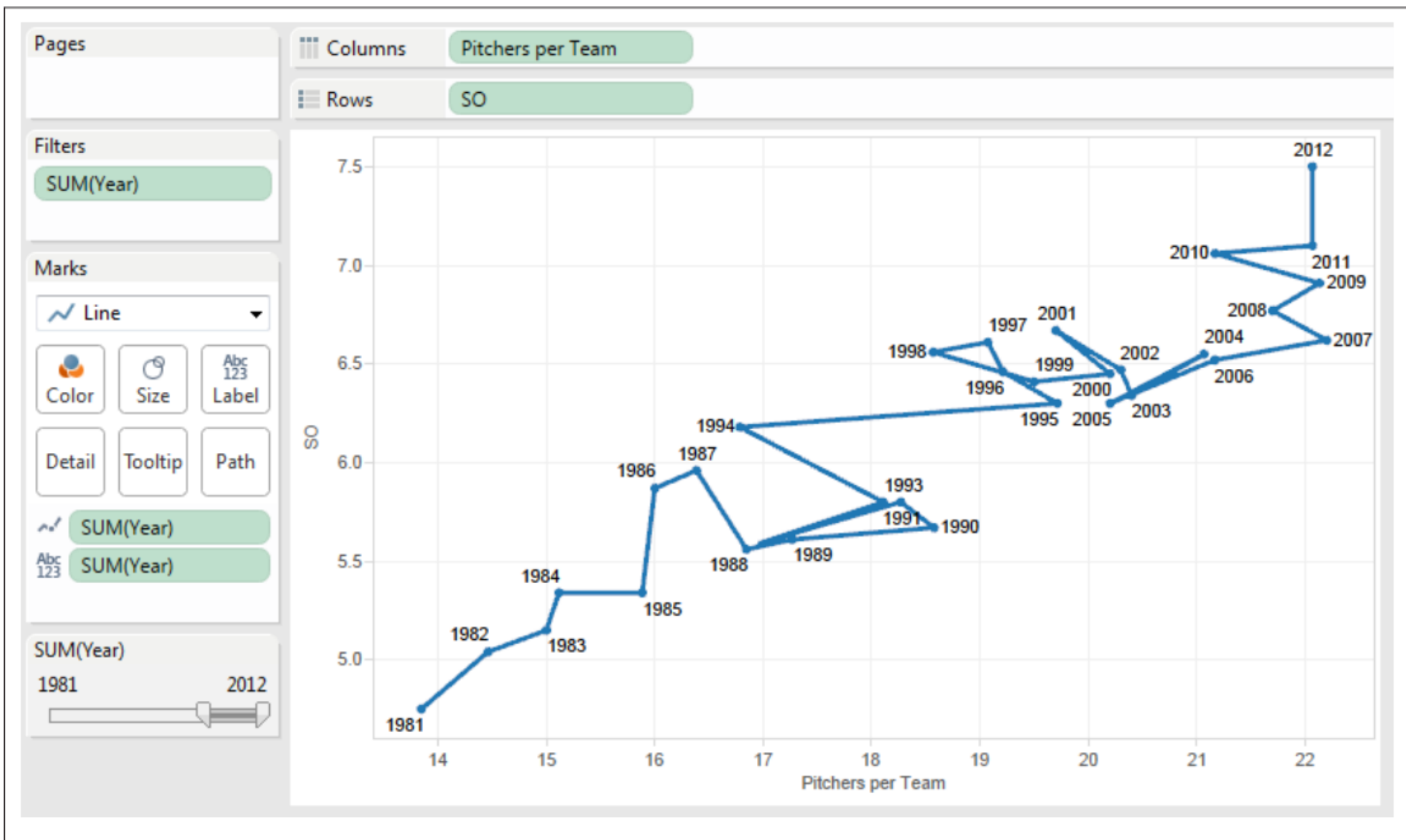

Figure 9-11. The connected scatterplot

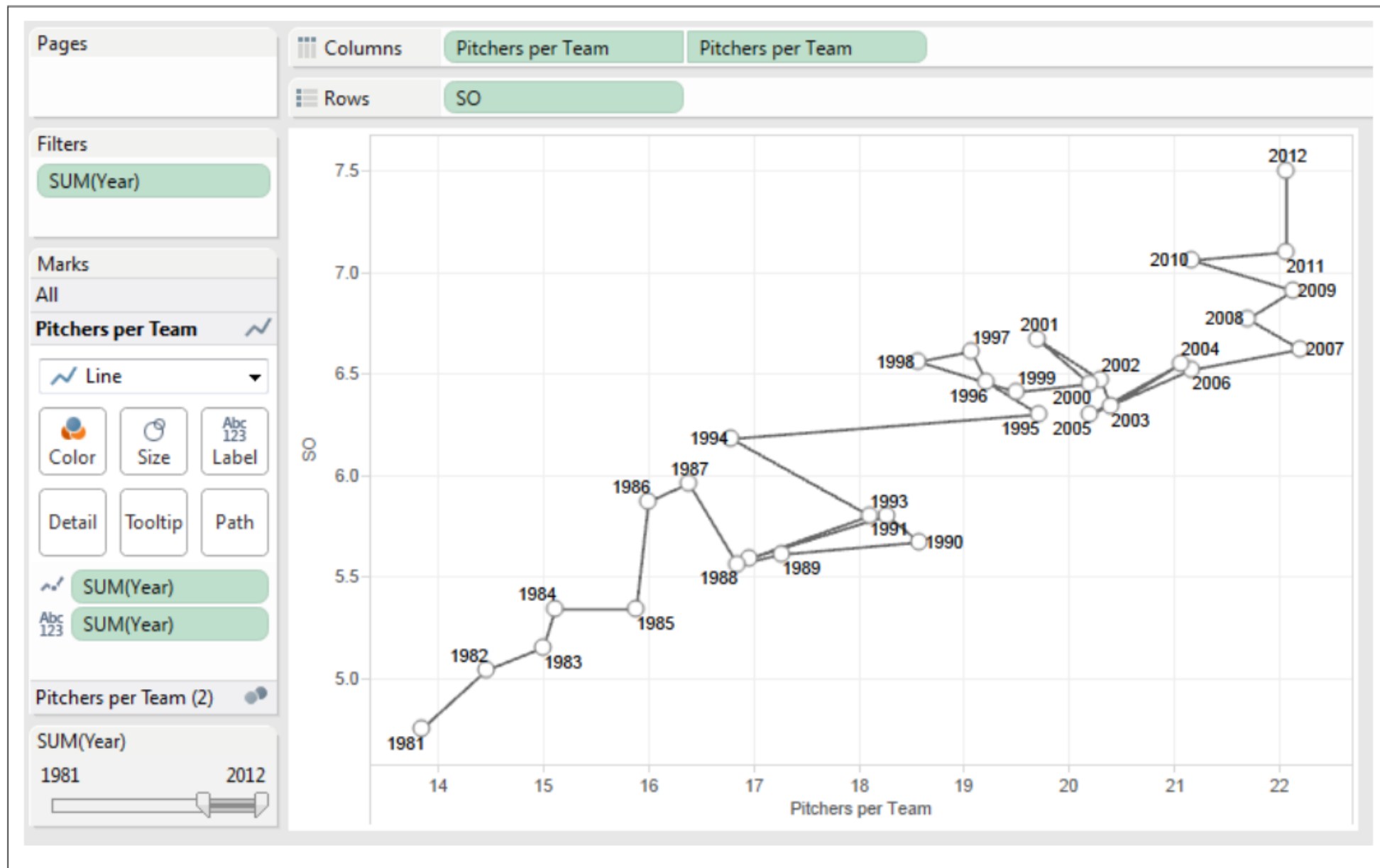*Figure 9-12. A filtered connected scatterplot*

Figure 9-13. The formatted connected scatterplot
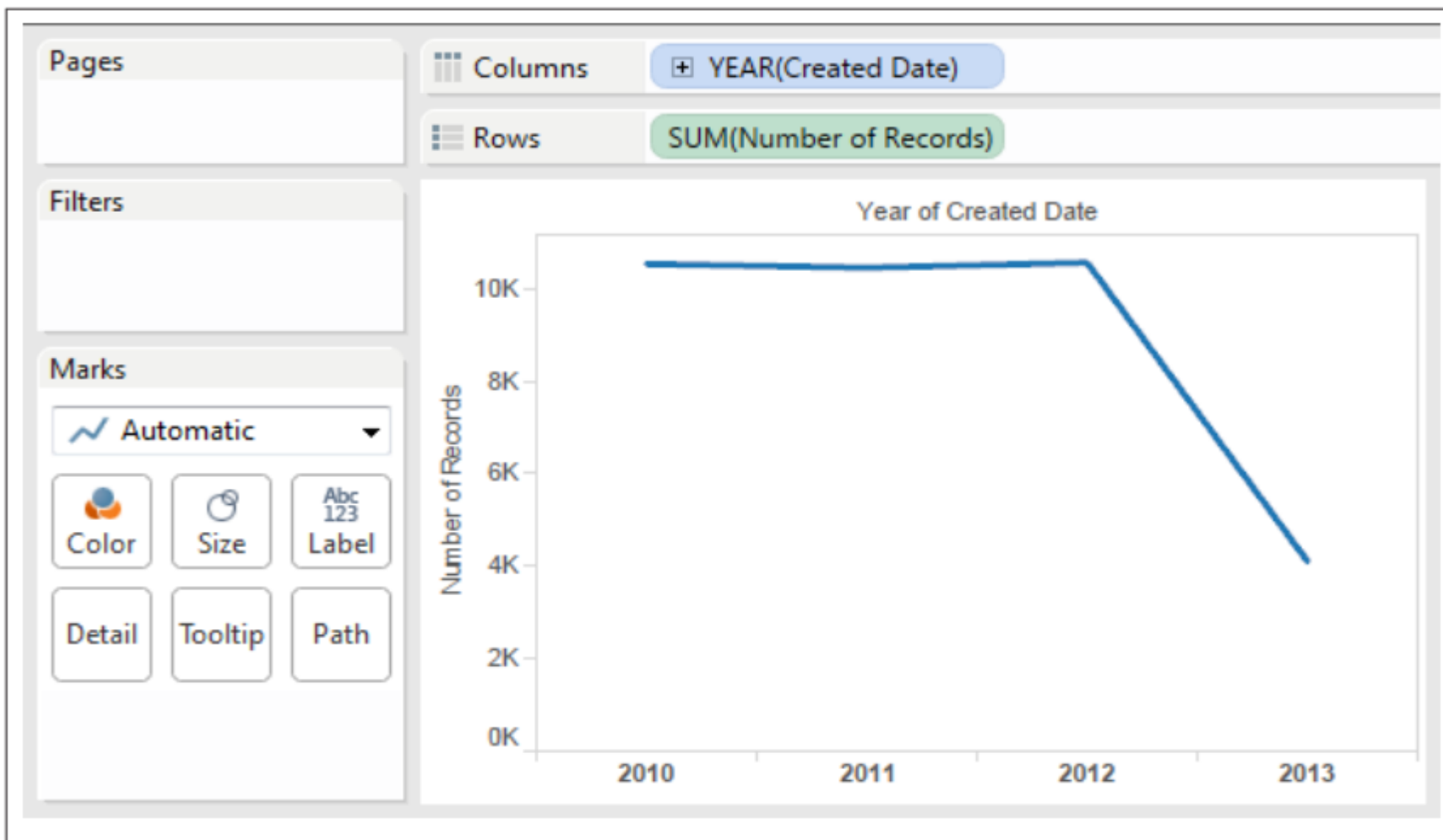
The date filed type and seasonality

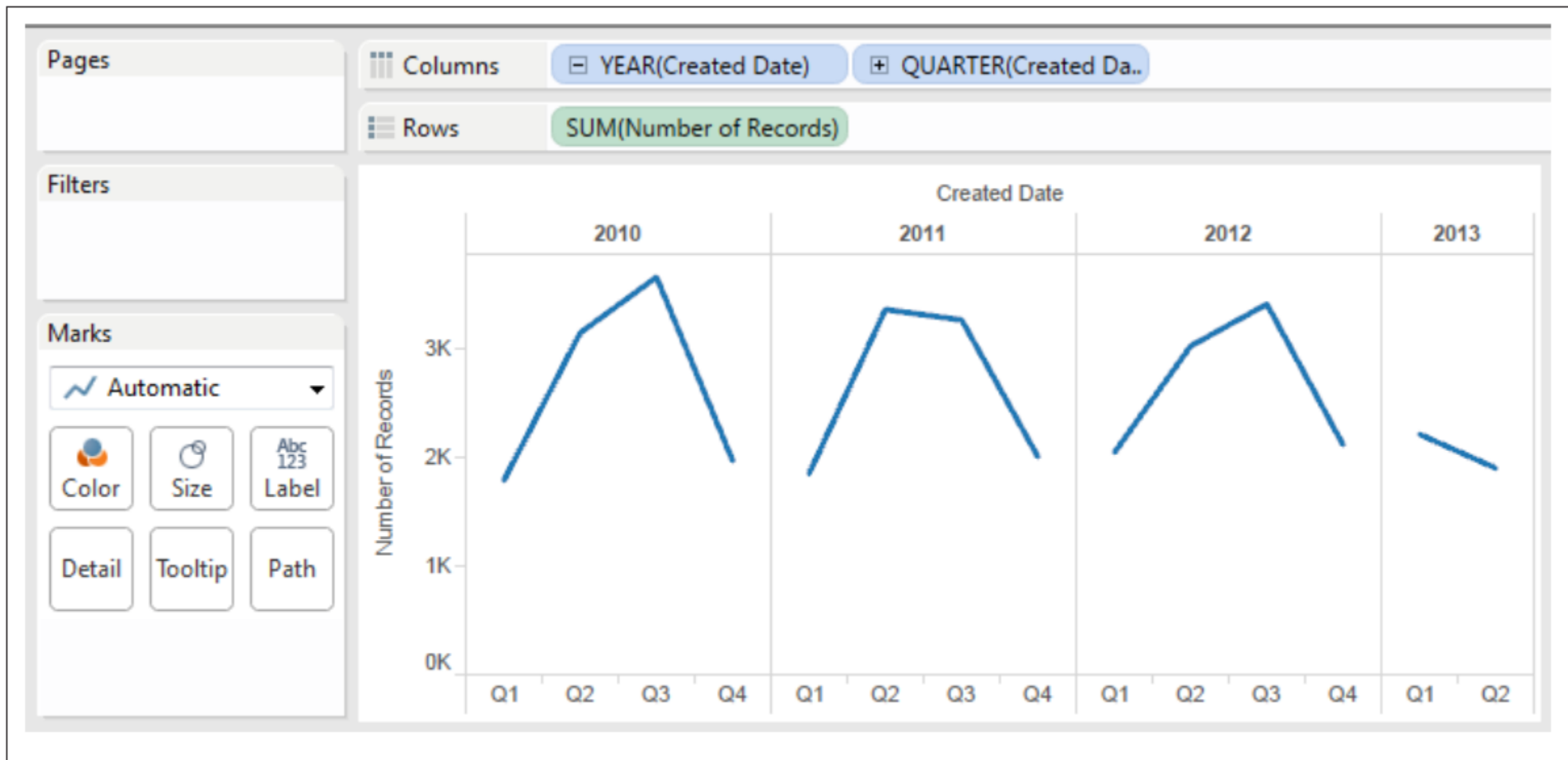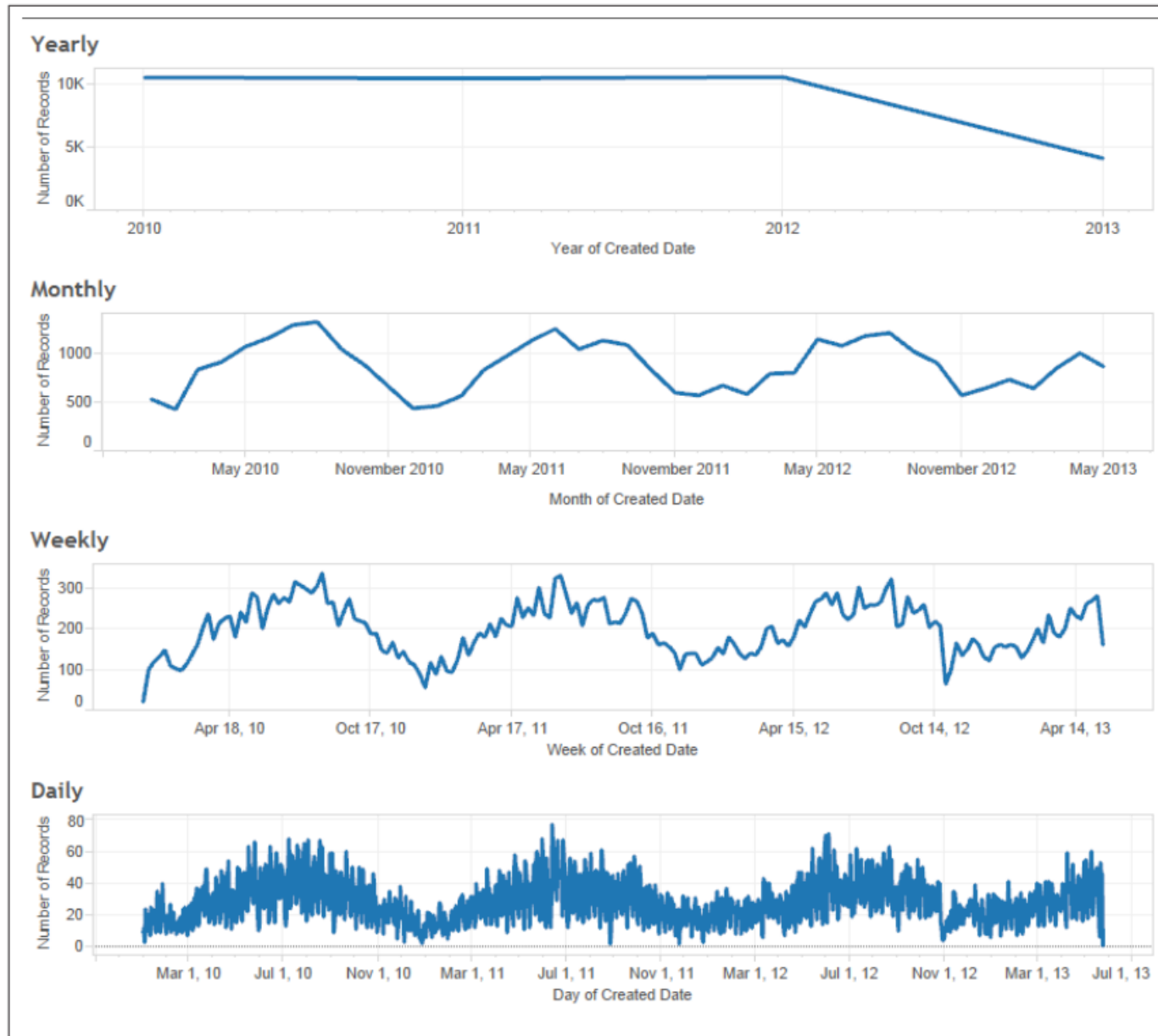
Figure 9-14. Default annual timeline
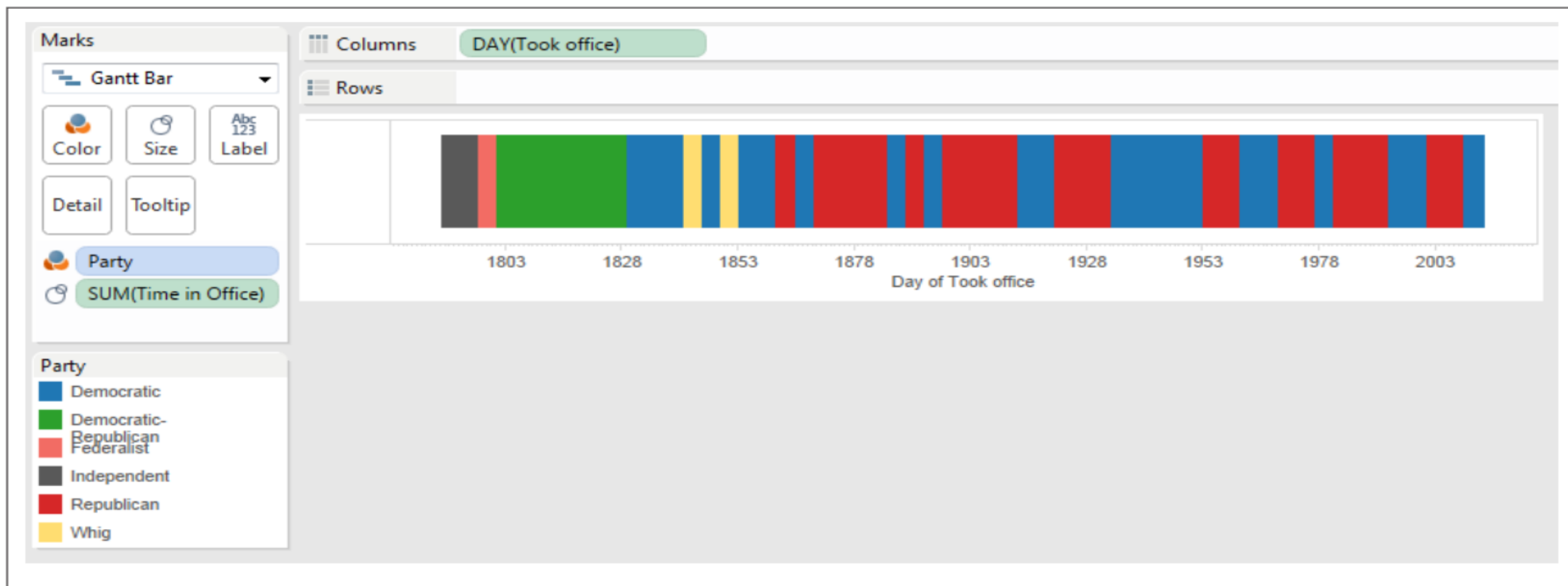
Figure 9-15. Rat sightings by quarter

Figure 9-16. Rat sightings in New York shown yearly, monthly, weekly, and daily

The timeline

Figure 9-22. A simple timeline of U.S. presidential administrations, colored by political party
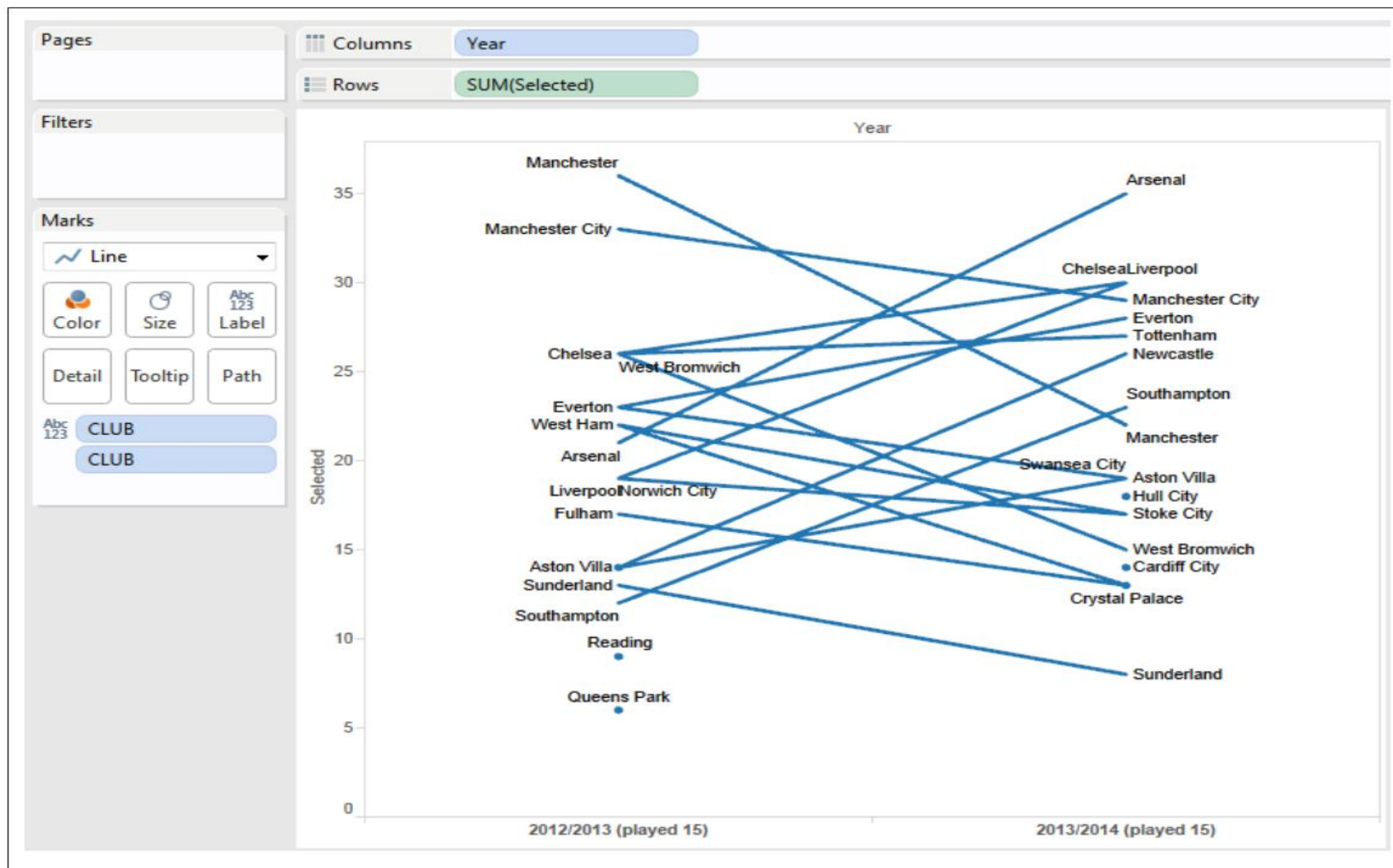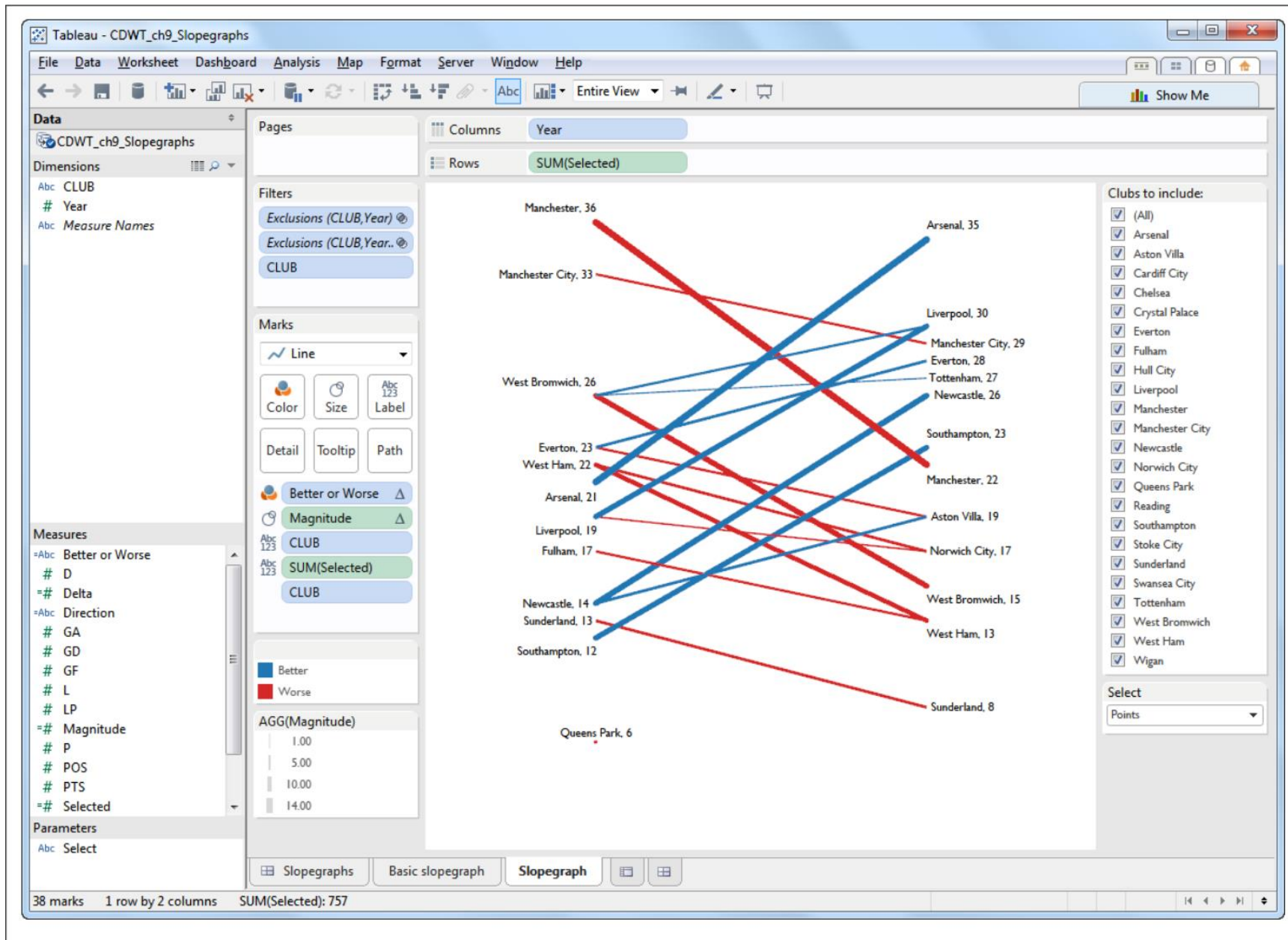
The slope graph

Figure 9-29. Creating a basic slopegraph in Tableau

Figure 9-33. An updated slopegraph