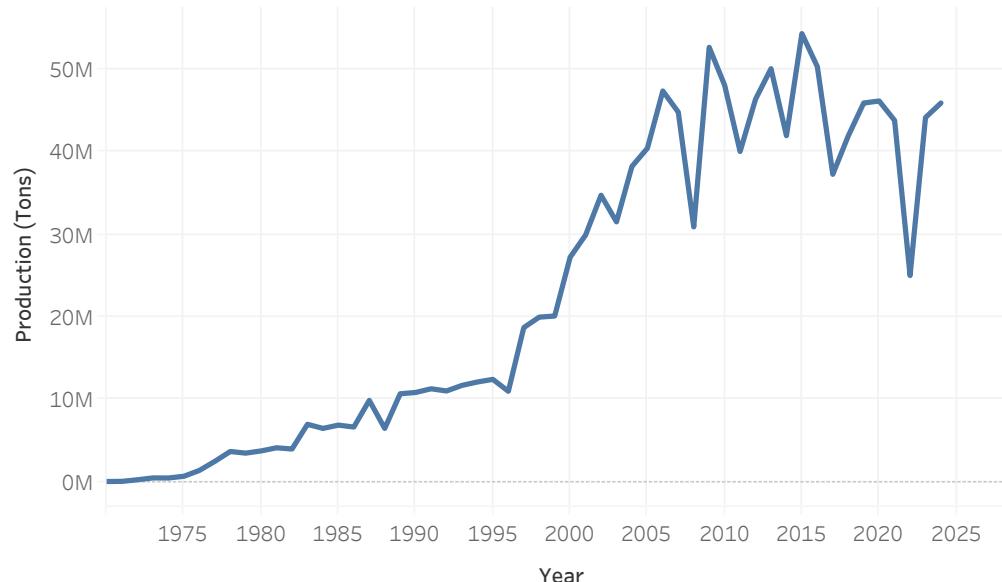


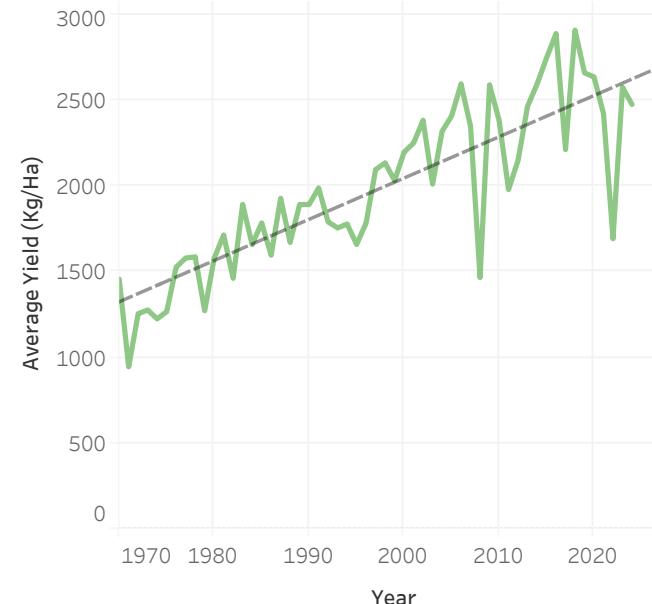
Soybean Evolution in Argentina

Production, Planted Area and Average Yield Over Time

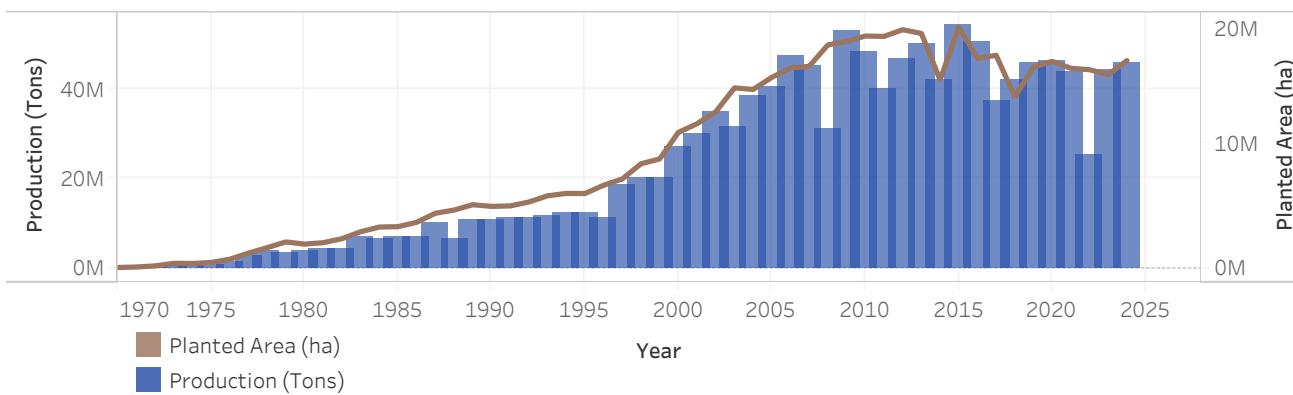
Total Soybean Production



Average Soybean Yield



Production and Planted Area



Year of Highest production
2015
54.394.016 Tons

Lowest Yield
(Last 20 Years)
2008
1.465 Kg/Ha

Soybean Yield Stability and Variability

How yield changed year over year and how unstable it was across different periods..

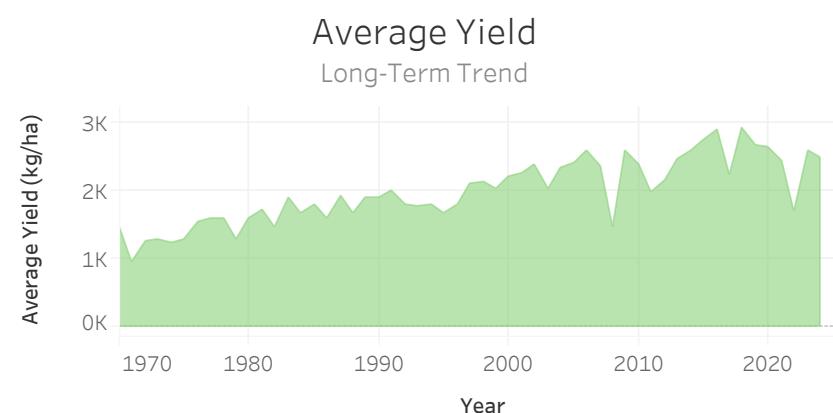
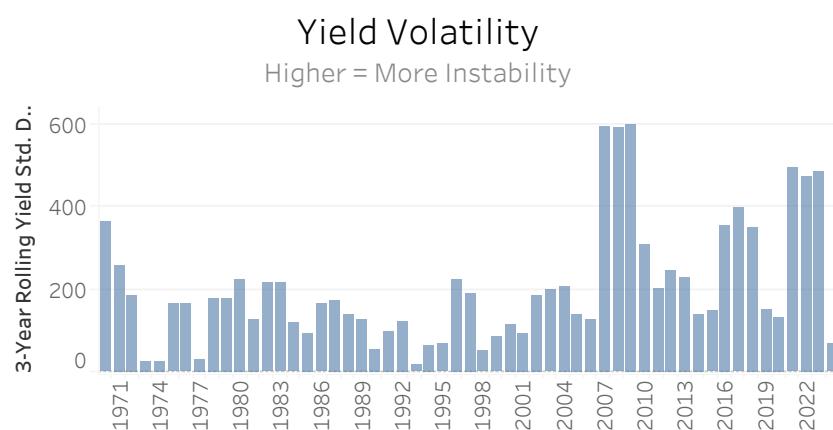
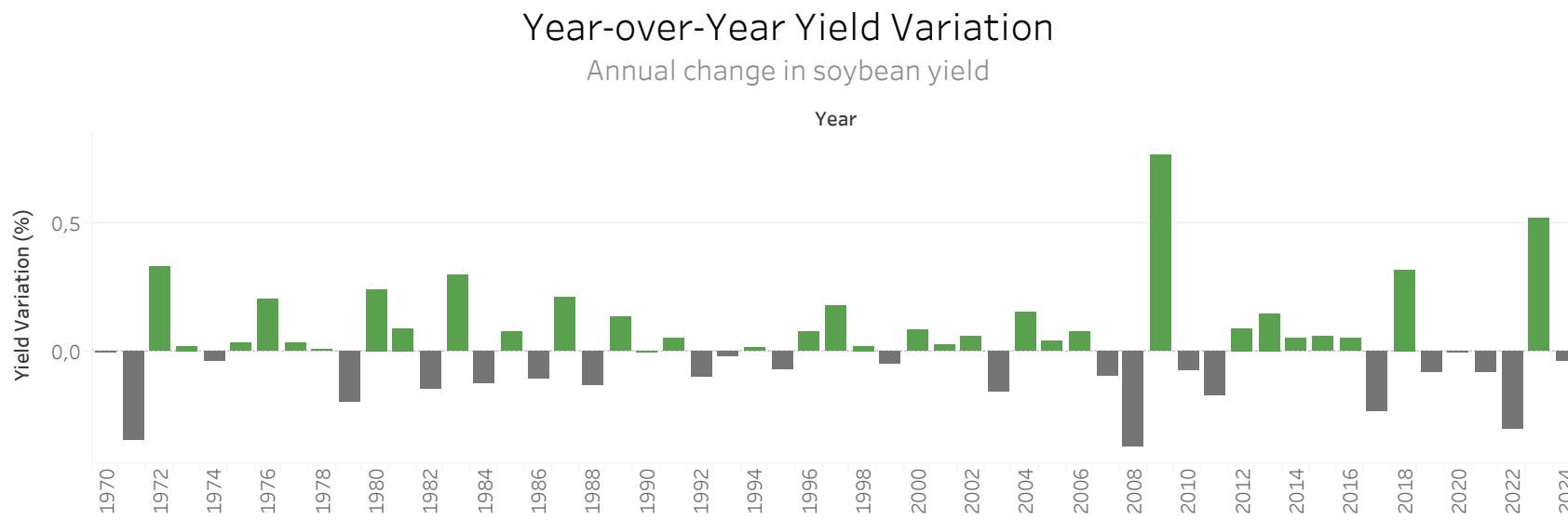
2.404 kg/ha
Average Yield
(2004–2024)

19,02 %
Average Year-over-Year
Volatility (2019–2024)

23,91 %
Historical Coefficient of
Variation

59 years
Historical Failure
Frequency

8 years
Failure Frequency
(2004–2024)



Determinants of Soybean Production

Analyzing the interaction between harvested area, yield, and total production

14.992.283 tons

Average Annual Production

6.051.836 ha

Average Annual Harvested Area

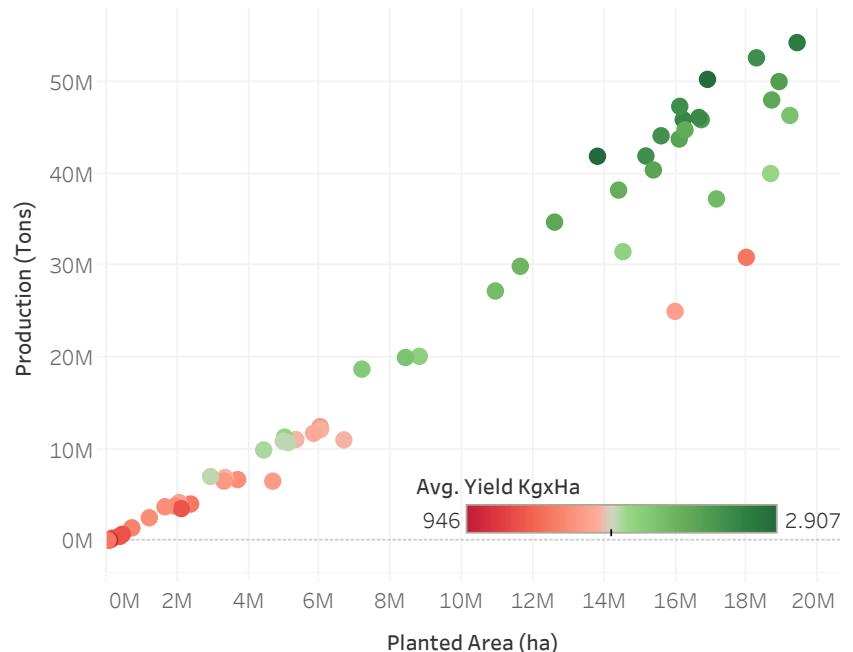
1,718 kg/ha

Average Effective Yield

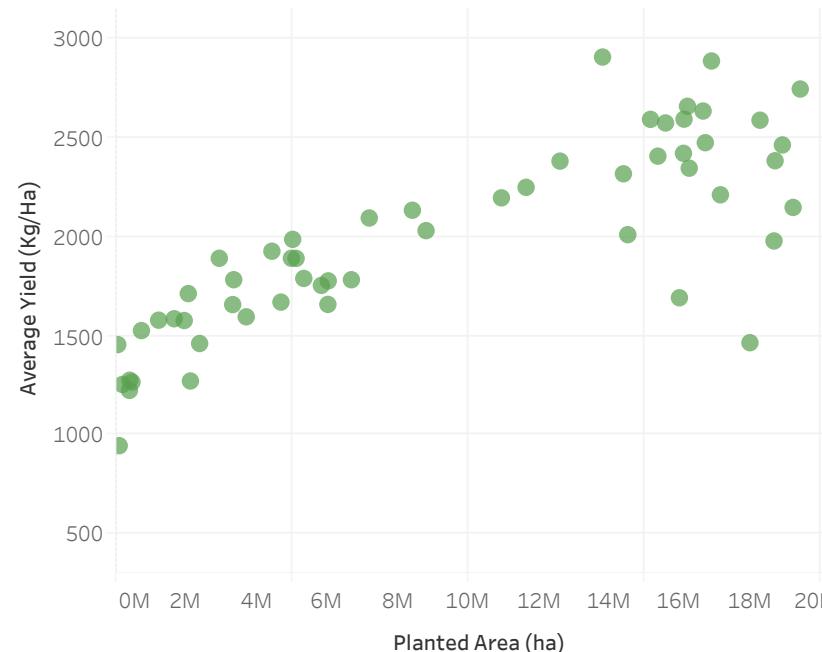
0,9816

Area-Production Correlation

Yield vs. Harvested Area



Harvested Area vs Production



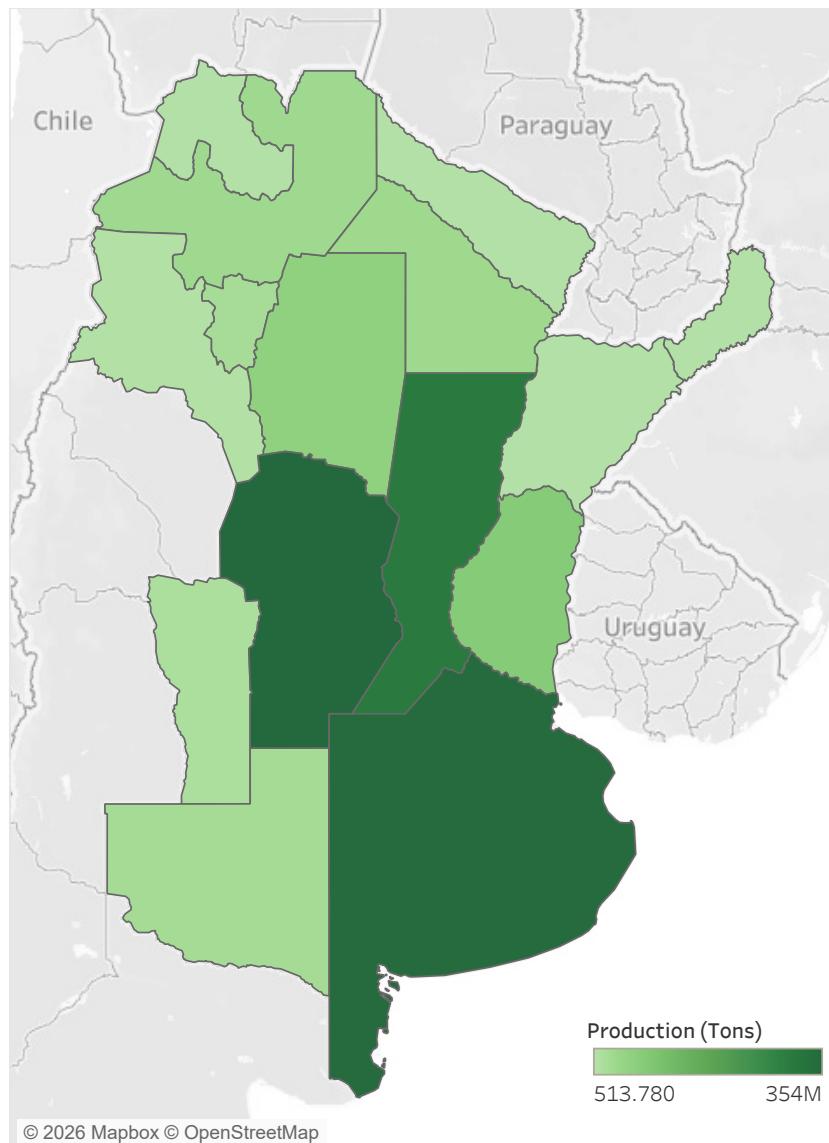
Average Yield Over Time



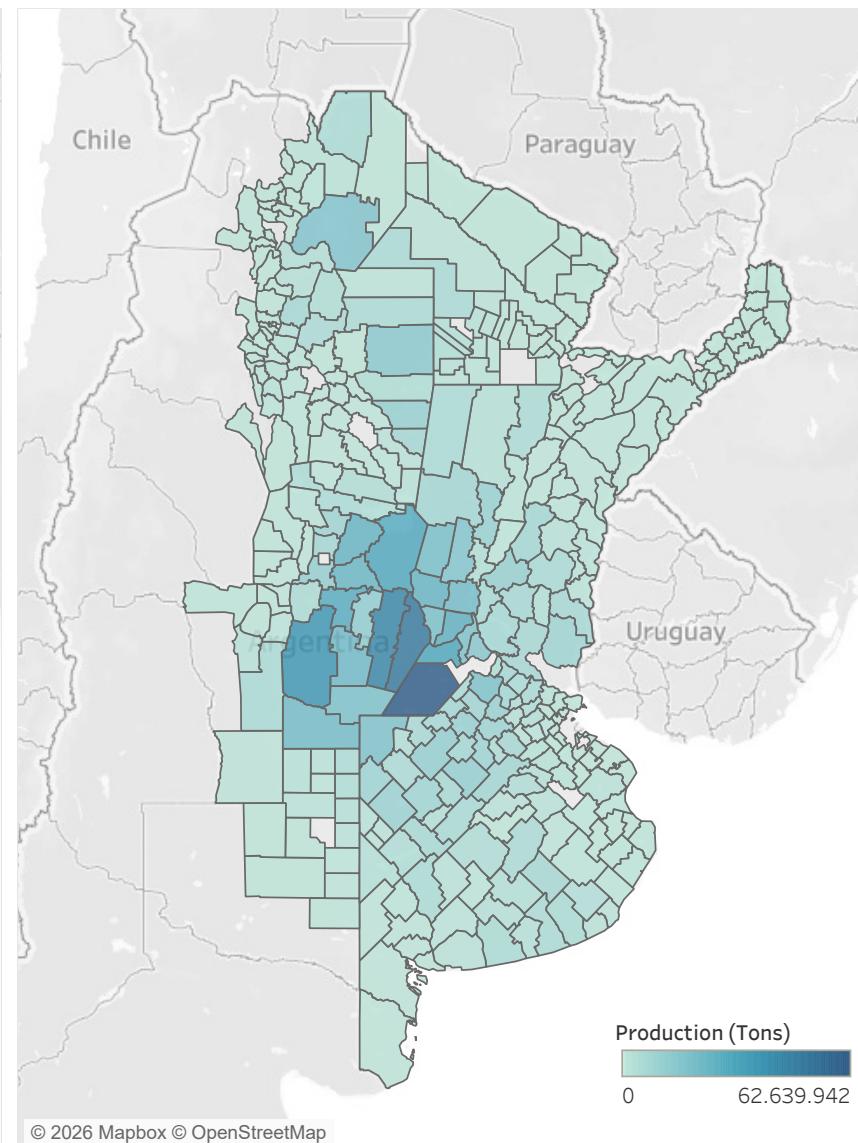
Spatial Distribution of Historical Soybean Production in Argentina

Spatial Distribution of Historical Soybean Production in Argentina

Total historical soybean production by province



Total historical soybean production by department



Soybean Production Stability Segmentation – Argentina

Clustering of Argentine departments based on yield level, variability and failure frequency

