

# Bubble Chart - Split Olympics Shot put Scores by Year

[Observable](#)

108753213

資科碩一

劉一凡 Jett

- X-axis
  - distance
- Y-axis
  - [years]
- Design choice
  - What?
    - Data types:
      - Items, attributes
    - Dataset types:
      - Table: year, distance
    - Temporal semantics:
      - Time-varying
  - Why?
    - To visualize the improvement (distance) over all these years (120 years).
    - Actions:
      - Present, Enjoy
    - Targets:
      - Trends
      - Distance distribution by time
  - How?
    - Channels: planar spatial position
    - Encode:
      - Map
        - Hue and saturation
        - Size is not used
      - Facet
        - Partition with line
          - By median distance
- Rules of thumb
  - justified 2D graph
    - channels: planar spatial position

- Eyes beats memory
  - Easily observe the scores of Olympic shot-put game by years or total
- Color gradient and saturation:
  - To highlight higher scores