Tennis Exercise Followup

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CPSC 547, Information Visualization
Day 11: 7 February 2017

TennisViewer
• synthesized data: entire single tennis match down to stroke level
  – simulating strokes subject to prescribed probabilities


TennisViewer
• hierarchy
  – match
  – set
  – game
  – point
  – service
  – strokes
  – top-nesting layered map

TennisViewer
• treemap idiom
  – subdivision: match, sets, games
  – coloured by player (red/green)
  – 2D translucent layers
    – top made from combination of translucent planes below
    – local information (who won point, above) + global context (who won match, below).

TennisViewer
• ball traces of strokes
  – icon: spatial layout of tennis court
  – arrow showing ball trace

TennisViewer
• Magic Lens to zoom
  – redisplays contents underneath

TennisViewer
• animation
  – before vs after final point

TennisViewer
• cardinality
  • 1 match
  • 5 sets
  • 51 games
  • 332 points
  • 446 services
  • 2800 strokes

Critique
• strengths?
• weaknesses?
• comparison to your own sketches?