Searching Earthquake Data

Coding the Closest Quakes

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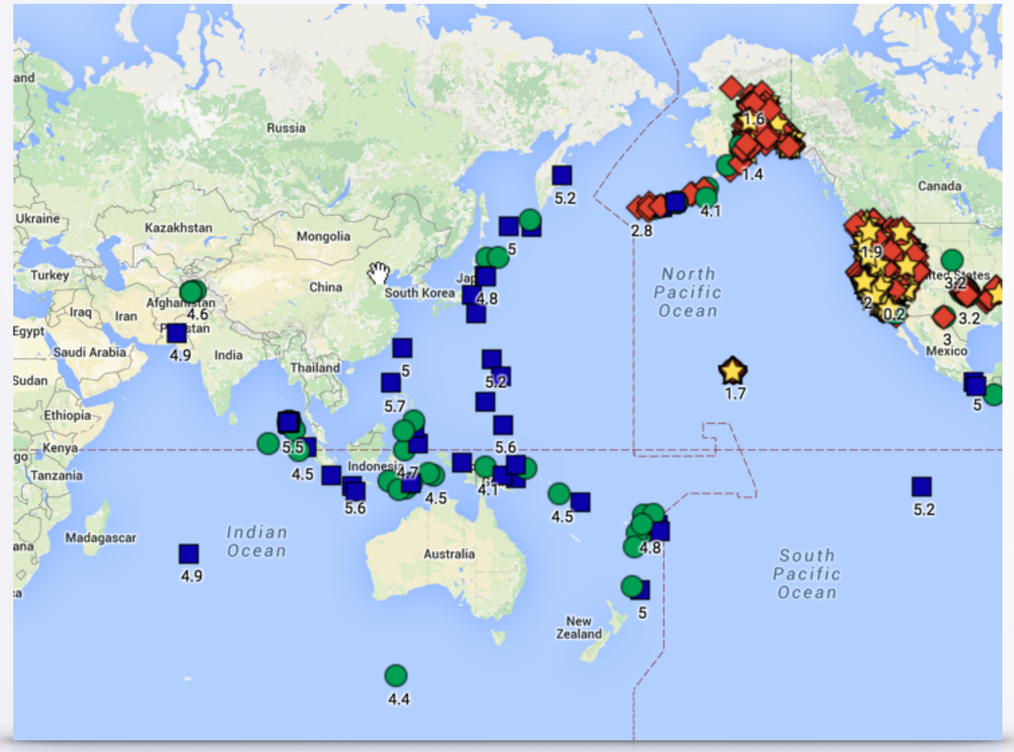
Is (lat,long) a Danger Zone?

- How do we find ten closest quakes?
  - For specific location
  - For any number, not just ten



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Is (lat,long) a Danger Zone?

- How do we find ten closest quakes?
  - For specific location
  - For any number, not just ten
- Find closest or minimal quake?
  - Repeat, but must make sure we don't find the same minimal quake
  - Avoid changing parameter, make copy
- We'll use 10 and Jakarta, but changeable

Seven-Step Process

- Can you find the closest quake?
  - You've found minimal or maximal element before, use same steps
  - Remember index of minimal quake and update after comparing each quake
- Anticipate repeating, cross out quake after it has been considered
  - Programming analog is remove from ArrayList