Run Recommender

Elizabeth G Guy, PhD

Motivation

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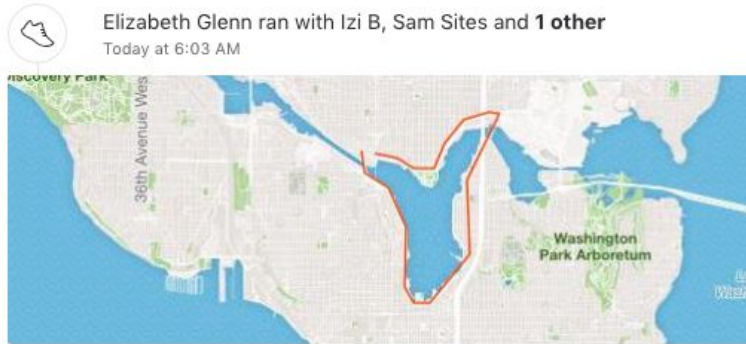
Strava - Find new Routes!

However, searching for routes is tedious

Solution: Run Recommender with Strava API

Tools Utilized

Methods

Authorize Strava user → Tokens in MongoDB → Get run activity into pandas df → Filter runs on distance from start location

→ Euclidean Distance - top 20 runs → Group runs - Hierarchical Clustering with Cosine Similarity → Suggest 5 runs - drawing from most popular run routes first

Website

http://pnwrun.org

Next Steps

- Continue with Website Development:
  - Fix scrolling
  - Layout/Design
- Continue Collecting tokens from runners
- Survey runners for feedback:
  - Diversity of runs
  - Meets request
- Search for points along route as possible start points
  - Currently use the identified start point of the collected run

Contact

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