OOKAMI PROJECT APPLICATION

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Project Title: Relational Segregation in the U.S.

Usage:

- Testbed

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Usage Description: Processing spatial and relational data.

Currently I am working on a project using Facebook and Safegraph digital trace data, L2 Voter records, and Infutor Consumer Records to understand racial segregation and human mobility in the pandemic.

I will use Ookami to process these large-scale spatial and mobility data to compute different kinds of segregation measures. Since these datasets are pretty large, I am requesting more project space. Typically I am using R and Python to process these large-scale data.

Computational Resources:

- Total node hours per year: less than 15,000

- Size (nodes) and duration (hours) for a typical batch job: 7 days

- Disk space (home, project, scratch): home 30 GB, project 8 TB, scratch 30 TB

Required software: R and Python