Behaviour Risk Model Algorithm (BRMA) Api Design Doc

Input: (string) GET/POST parameter: gps data desc: set of lines where each line have exactly three fields latitude, longitude and minutes spent at that location. sample: 37.757815,-122.5076408,120\n40.7058316,-74.2582003,120 **Output: (json)** desc: JSON consisting of: a. final: the BRMA score ranging from 0 to 150 b. nimby score: ranging from 0 to 50 c. yimby_score: ranging from 0 to 50 d. env score: JSON consisting of: * aqi: air quality score ranging from 0 to 12.5 * crime score: ranging from 0 to 12.5 sample: {"__final__": 69.25, "nimby_score": 0, "yimby_score": 50, "env score": {"env norm": 19.25, "crime": 6.375, "aqi": 3.25}} **Errors: (string)** 1: 'error: wrong input format' 2: 'error: wrong input values' **Code Description:** repository: https://github.com/projectvision/healthapp-api2 command to run the api: python web api.py modules: web api: handler for get/post requests scorer: computes nimby and yimby scores env scores: computes both the environment scores (agi and crime) crime rate api: interface for provide crime rates for a given lat/long config: the vaml format file of vimby and nimby locations requirements: list of required python libraries templates/: containing the html Procfile: heroku specific file for running the app crime rate.cc: utility script for parsing the crime date (not production relevant) test api: simple python script for demoing api usage.