**DOCUMENTATION (Metric Task)**

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The new file generator is called Metric Task.

This program generates the X, Y, R, job\_names, and user\_table files that are going to be used as inputs in the new recommended program called TestBed2.

**X file**

Tasks X Metrics (Tasks from amazon, microworkers, and upwork) (actual size: 100 X 50)

* The lines represent the tasks (jobs) that are stored in the database.
* The columns represent the metrics (features) that are stored in the database.

**Y file**

Tasks X Users (actual size: 100 X 100)

* The lines represent the tasks (jobs) that are stored in the database.
* The columns represent the users (employees) that are stored in the database.

This file was generated considering the following:

For each task, all the tasks that contains specifics metrics were considered done for at least 10 employees (randomly generated) until a quarter of the total amount of employees in the crowd, with the following scale:

ratings 8-10 = Considered a good employee for a task

ratings 5-7 = Considered an ok employee for a task

rating 1-4 = Considered a bad employee for a task

* The rating in the Y matrix is 0 if the job was not done by an user.

**R file**

Tasks X Users (actual size: 100 X 100)

When Y[I,j] != 0

R[I,j] = 1

Otherwise R[I,j] = 0

**Job\_names file**

Currently this file contains 100 job names with random names

**User\_table file**

Currently this file contains 100 users profile (100 user\_name, 100 self rating)

\*Self rating is generated randomly, because it is not important for this experiment, but it is needed for the recommender system.