Drug Response OR Program

Description: A python program which performs n-combinatorial analysis of drug-pathway interaction and identifies ideal drug/combination of drugs for given cohort / patient genomic distribution.

Inputs: Gene-Pathway mapping data, Drug/Chemo Targets data, Cohort genomics data, output/optimization conditions

Output: Combinations weighted based on suitability

Technical Details

Database Schema: Separate file detailing full table schema shared (TABLE\_SCHEMA)

Languages: Python2.x / 3.x

Input types: flat-files/DB

Input file format: “run.txt” sample file shared separately

Packages: LAMP enabled, mysql, python2.x

Third-party Python Packages: mysql.connector, numpy

Source Code Access

<https://github.com/SMVasista/DrugSelect>

Run

(local)python(.exe) ft.parse.py <setup.file>