Modules Project 2(a)

1. qu_table_create_1

   This has a function *create_table_one(database,num)*. It runs the sql query CREATE TABLE IF NOT EXISTS tablename (

   Element1_rREAL,

   Element1_i REAL,

   Element2_r REAL,

   Element2_i REAL,

   Element3_r REAL,

   Element3_i REAL,

   Element4_r REAL,

   Element4_i REAL,

   stringy TEXT UNIQUE);

2. qu_table_create_2

   This is the same as module 1 but it runs the the sql query:

   CREATE TABLE IF NOT EXISTS outcomes1d (

   stringy TEXT,

   matrices TEXT UNIQUE);

3. qu_table_delete_1

   This has a function *delete_table1(database,num)*. It runs the sql query: DROP TABLE IF EXISTS tablenamenum;

4. qu_table_delete_2

   This has a function *delete_table2(data_base,num)* and runs the sql query DROP TABLE IF EXISTS tablenamenumd;

5. three_matrices_data

   This has a function *three_matrices(data_base)* similar to project 1 but has four destinations for the two sets of data outcomes1 and master_list and outcomes1d and master_listd. It imports the library module *sow_data_1 and sow_data_2*, see later entries. It converts each of the h,t and s matrices into a data string (data = [(a,b,c,d,e,f,g,h)])

6. reap1

This has function *reap_data1_outcomes(data_base,num)* and runs the sql query SELECT Element1_r, Element1_i, Element2_r, Element2_i, Element3_r, Element3_i, Element4_r, Element4_i FROM tablenamenum;

7. reap1o_m

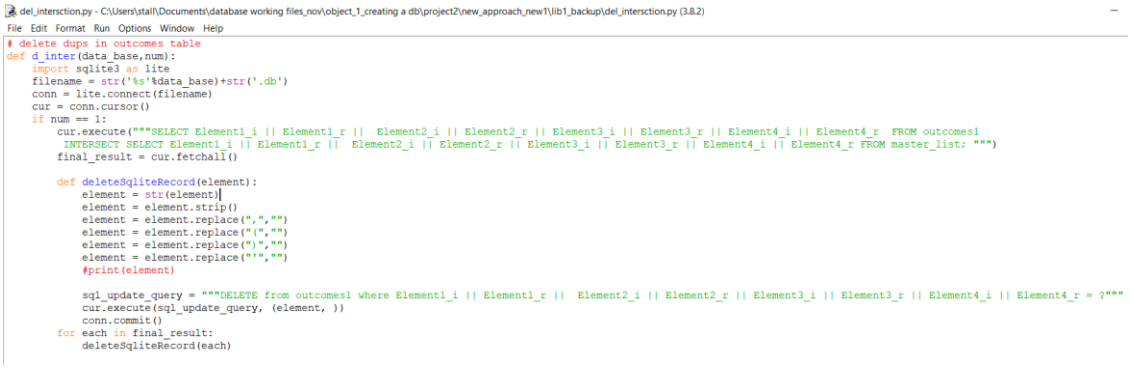
   This has a function name is *reap_data1_outcomes(data_base,num)* it runt the sql query "SELECT * FROM tablenamenum;"

8. dot_prod_new

   dot_product("qd1",i) - see separate document on this module

9. del_intersction

   This has the function *d_inter(data_base,num*) and runs the following queries:



   It is the same as del_intersection_t in project 1

10. sow_data1

    This has the function *sow_data1(data_base,my_matrix,num)* and runs the query

    "INSERT OR IGNORE INTO outcomes1 VALUES(?,?,?,?,?,?,?,?,?);",my_matrix

    The ignore command in this is an improvement on the previous sow module used in Project 1.

not used

1. reformat_array_m
2. del_duplicates_t1 del_dup1(data_base,num)