# Modules Project 2(a)

### qu\_table\_create\_1

This has a function <code>create\_table\_one(database,num)</code>. 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 <code>three\_matrices(data\_base)</code> 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 <code>sow\_data\_1</code> and <code>sow\_data\_2</code>, see later entries. It converts each of the h,t and s matrices into a data string (data = <code>[(a,b,c,d,e,f,g,h)])</code>

#### 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:

```
delinterction.py - Cilbers'stalin, Documents', database working files, noviobject, 1, creating a dib'project/2/new_approach_newTilb1_backup/del_interction.py (3.8.2)

File Edit format Run Options Window Help

file delite days in outcomest sable

def d_inter(data_base_num):
    import agities as it les connect(filename)
    conn = lite_connect(filename)
    connect(filename)
    def deletesqliteRecord(element):
        element = str(element)|
        element = str(element)|
        element = str(element)|
        element = element.str(element)|
        element = element.stplace(filename)
        element = element.replace(filename)
        element = element.replace(filename)
```

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)