

Project Test Plans

Since the script is easy to use, manual exhaustive input and parameter tests would be enough.

Possible Tests:

1. mode != "visualization" or "prediction". - Should see a "Mode not Supported" message.
2. mode = "prediction", in prediction(table_clean, param1, param2), param1 = "abc" and param2 = "deaths" - Should see TypeError Exception because "abc" is not integer type.
3. mode = "prediction", in prediction(table_clean, param1, param2), param1 = "abc" and param2 = "death" - Should see "death" not supported because there is a typo ("death" != "deaths").
4. mode = "prediction", in prediction(table_clean, param1, param2), param1 = "abc" and param2 = "cases" - Should see TypeError Exception because "abc" is not integer type.
5. mode = "prediction", in prediction(table_clean, param1, param2), param1 = "abc" and param2 = "case" - Should see "death" not supported because there is a typo ("case" != "cases").
6. mode = "prediction", in prediction(table_clean, param1, param2), param1 = 30 and param2 = "death" - Should see "death" not supported because there is a typo ("death" != "deaths").
7. mode = "prediction", in prediction(table_clean, param1, param2), param1 = 30000 and param2 = "case" - Should see "death" not supported because there is a typo ("case" != "cases").
8. mode = "prediction", in prediction(table_clean, param1, param2), param1 = 3000 and param2 = "cases" - Should Execute normally.
9. mode = "prediction", in prediction(table_clean, param1, param2), param1 = 3000 and param2 = "deaths" - Should Execute normally.