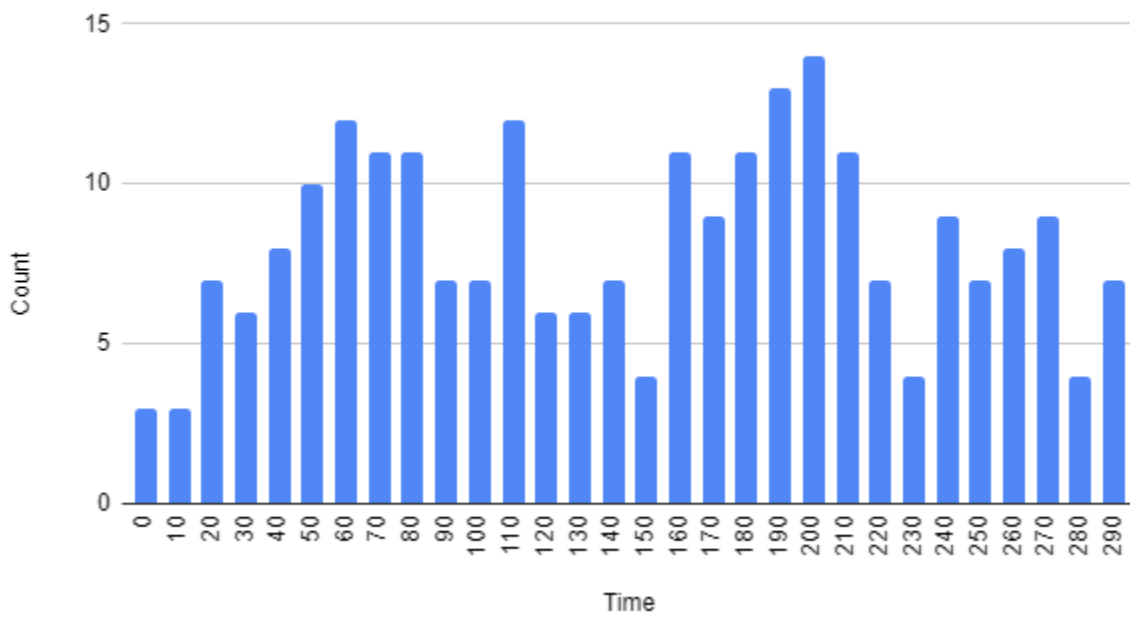Test 1:
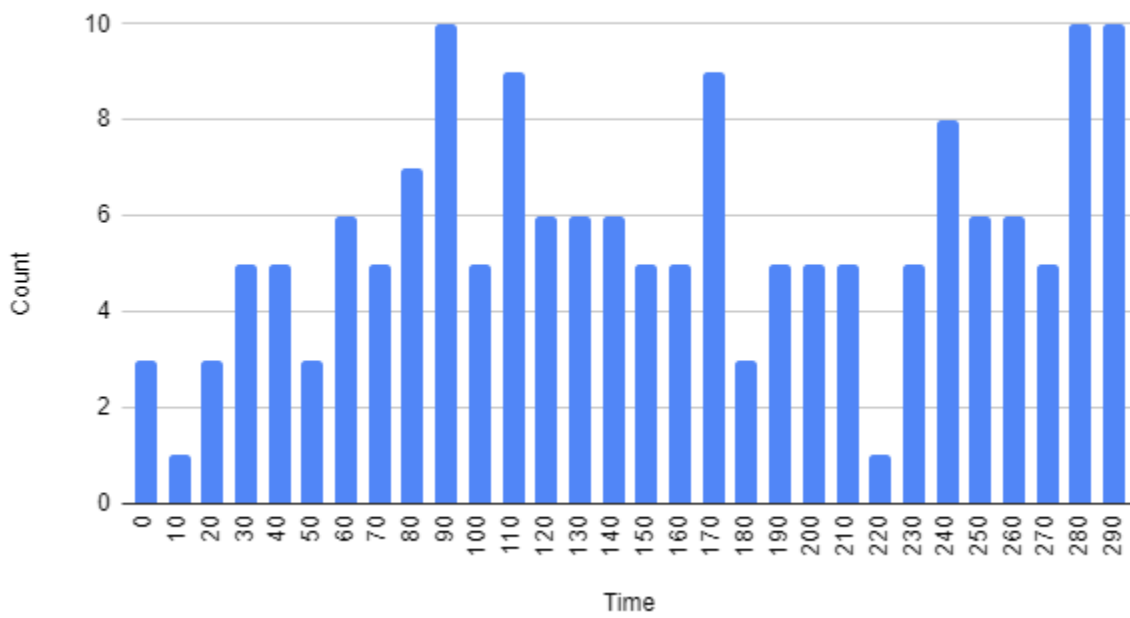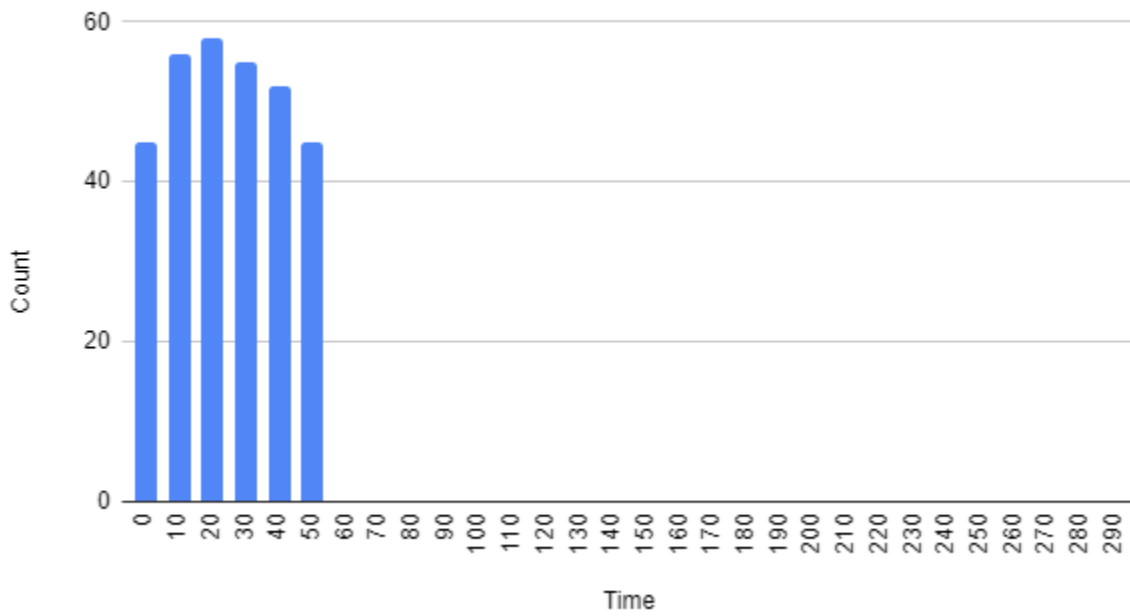

Car Count at Each Time

Test 2:

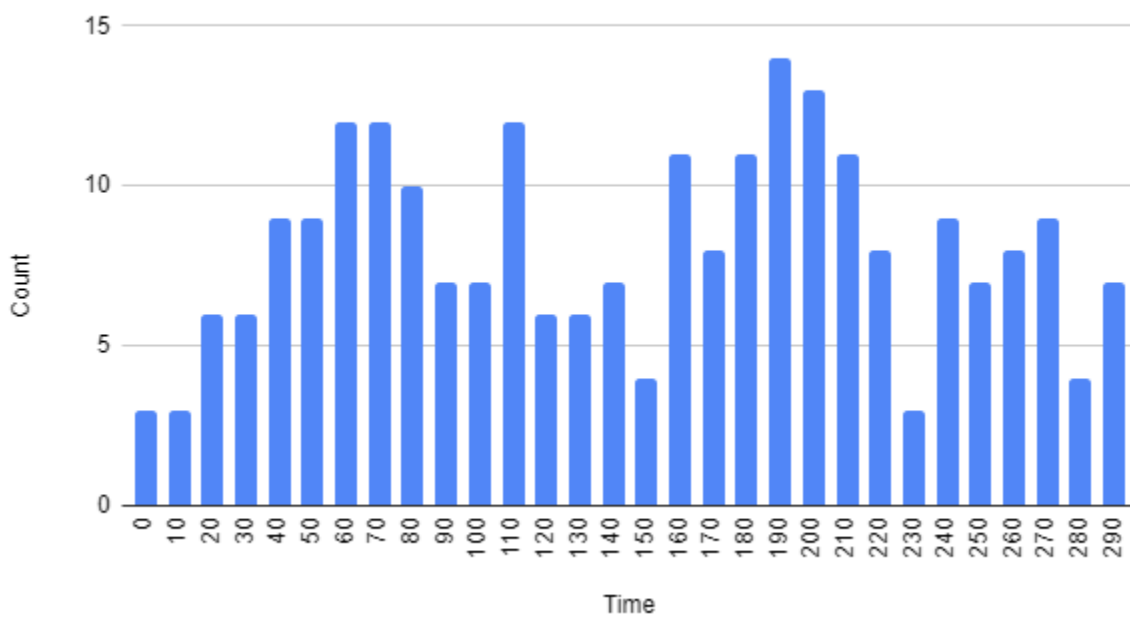Car Count At Each Time (Lambda = 0.5)

Test 3:
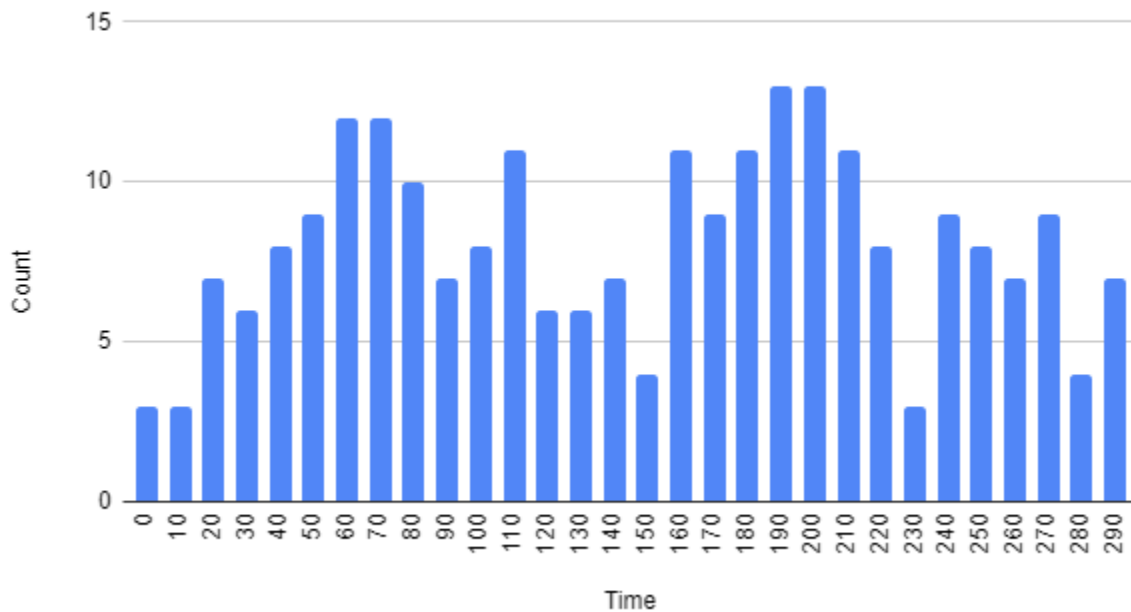

Car Count At Each Time (Lambda = 5)

Test 4:

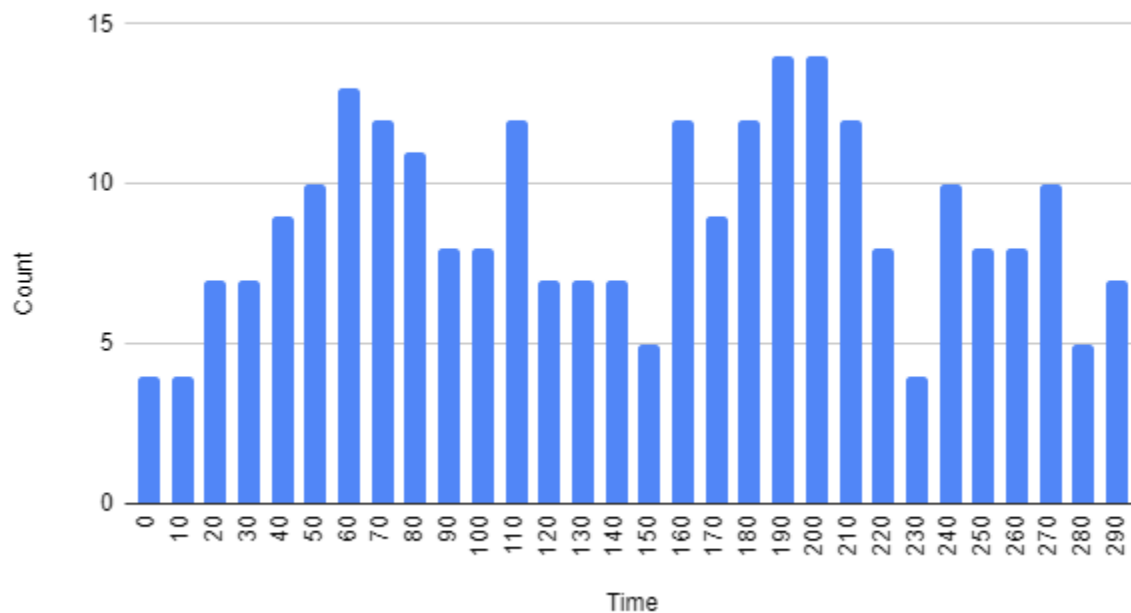Car Count At Each Time (45 Sec Green Light)

Test 5:

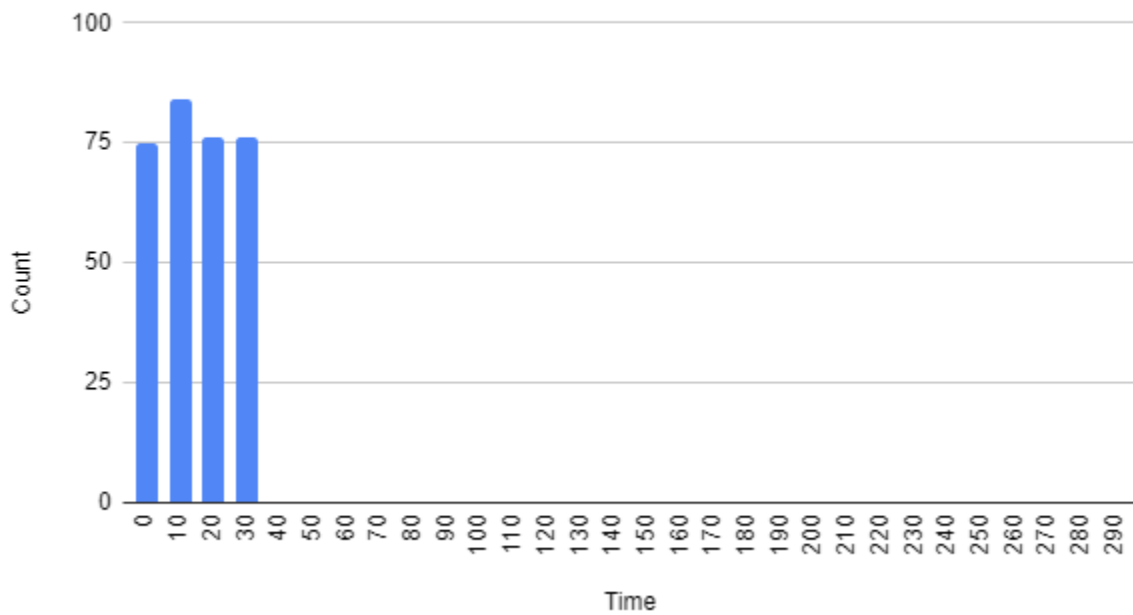Car Count At Each Time (45 Sec Red Light)

Test 6:
This approach would be troublesome in the real world as it takes time for people to begin accelerating and if it changed from green to red every 10 seconds only a few people would be able to get through per light.

Car Count At Each Time (10 Second Lights)

Test 7:

Car Count At Each Time (Bucket Size = 15)

Test 8:

Car Count At Each Time (Bucket Size = 5)