**final pen statistics:**

{'0': {'max': 0.0, 'avg': 0.0, 'stDev': 0.0},

'5': {'max': 0.8576329331046312, 'avg': 0.8436821040594626, 'stDev': 0.01268395004692455}, '10': {'max': 0.89136649514008, 'avg': 0.8851915380217268, 'stDev': 0.004318929095030615}, '15': {'max': 0.9102344196683819, 'avg': 0.9053173241852488, 'stDev': 0.0036133848620526062},

'20': {'max': 0.9056603773584906, 'avg': 0.9007432818753575, 'stDev': 0.006768481513837292},

'25': {'max': 0.9090909090909091, 'avg': 0.9034305317324186, 'stDev': 0.003256496481623344},

'30': {'max': 0.9056603773584906, 'avg': 0.9024013722126929, 'stDev': 0.003829480171444354},

'35': {'max': 0.9053744997141223, 'avg': 0.8982847341337907, 'stDev': 0.008153078054800844}, '

40': {'max': 0.9068038879359634, 'avg': 0.9024585477415666, 'stDev': 0.007130684770778161}}

**final car statistics**

{'0': {'max': 0.7107329842931938, 'avg': 0.7107329842931938, 'stDev': 0.0},

'5': {'max': 0.8678010471204188, 'avg': 0.8526178010471204, 'stDev': 0.009763380208885614},

'10': {'max': 0.8776178010471204, 'avg': 0.8624345549738219, 'stDev': 0.013098164334703554},

'15': {'max': 0.8854712041884817, 'avg': 0.868586387434555, 'stDev': 0.009754602557008761},

'20': {'max': 0.8789267015706806, 'avg': 0.8712041884816755, 'stDev': 0.007268818521944945},

'25': {'max': 0.8861256544502618, 'avg': 0.8708115183246073, 'stDev': 0.00829475367421723},

'30': {'max': 0.8789267015706806, 'avg': 0.8671465968586387, 'stDev': 0.007012091746585815},

'35': {'max': 0.8763089005235603, 'avg': 0.8596858638743455, 'stDev': 0.009325399544794182},

'40': {'max': 0.8808900523560209, 'avg': 0.8476439790575917, 'stDev': 0.01682026297881075}}