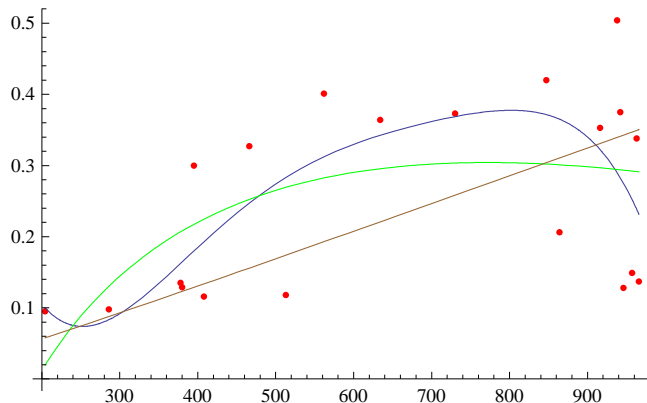Red dots are actual results,

Blue curve is Polynomial approximation with degree 5,

Green curve is Logarithmic approximation,

Brown curve is Subexponential approximation.

----------------------------3-Digit Data Analysis----------------------------
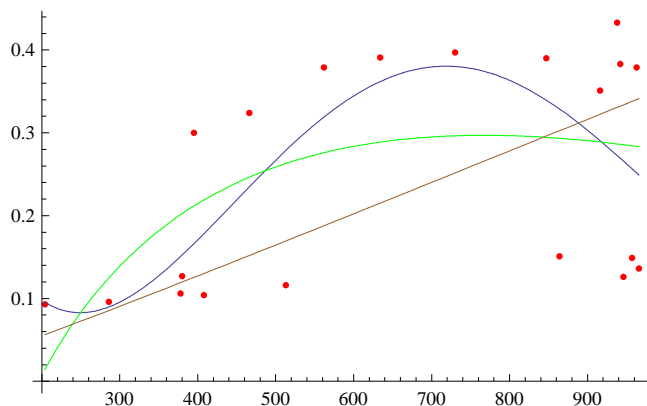
------Small Mode------

Average Total Run Time: 0.2533's

Average Ploynomial Selection Time: 0.05755's

Fails: %0, 0 out of 20 Numbers
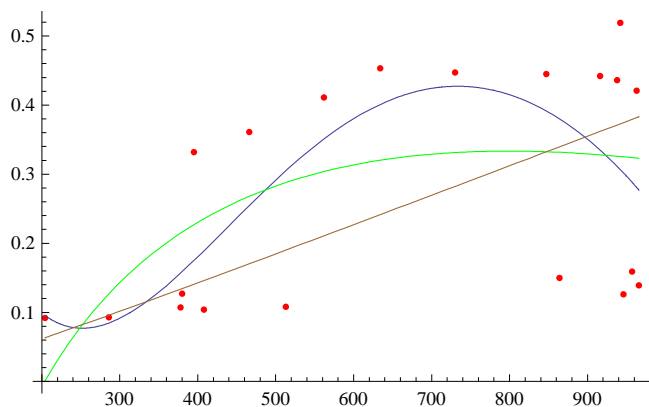
------Medium Mode------

Average Total Run Time: 0.24655's

Average Ploynomial Selection Time: 0.05415's

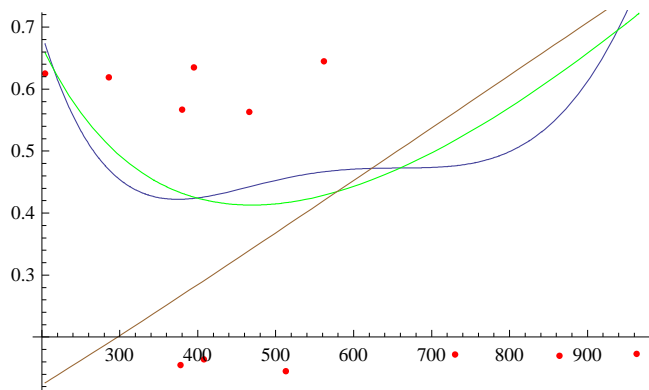Fails: %0, 0 out of 20 Numbers

------Large Mode------

Average Total Run Time: 0.2736's

Average Ploynomial Selection Time: 0.05425's

Fails: %0, 0 out of 20 Numbers
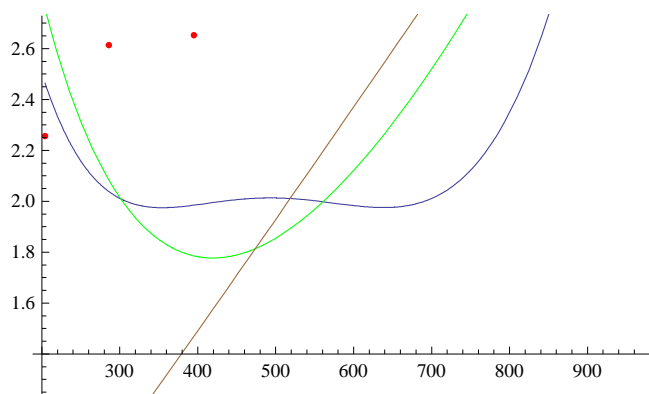
------Extra Large Mode------

Average Total Run Time: 0.5636's

Average Ploynomial Selection Time: 0.057's

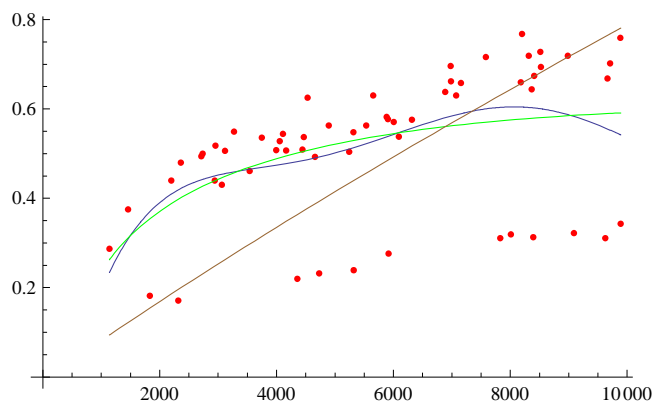Fails: %0, 0 out of 20 Numbers

------Huge Mode------

Average Total Run Time: 2.8202's

Average Ploynomial Selection Time: 0.0602's

Fails: %0, 0 out of 20 Numbers

--------------------------4-Digit Data Analysis--------------------------
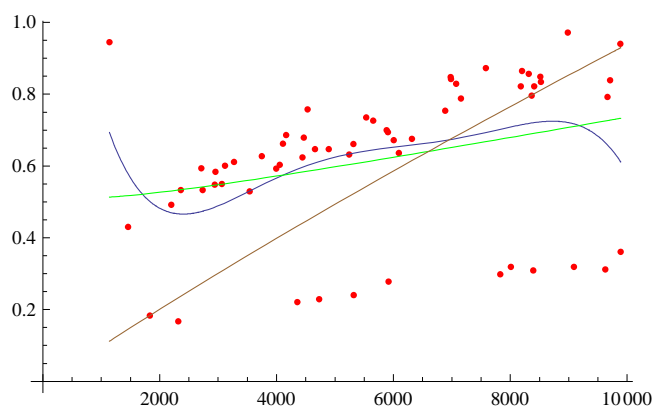
------Small Mode------

Average Total Run Time: 0.514883's

Average Ploynomial Selection Time: 0.179917's

Fails: %1.7, 1 out of 60 Numbers
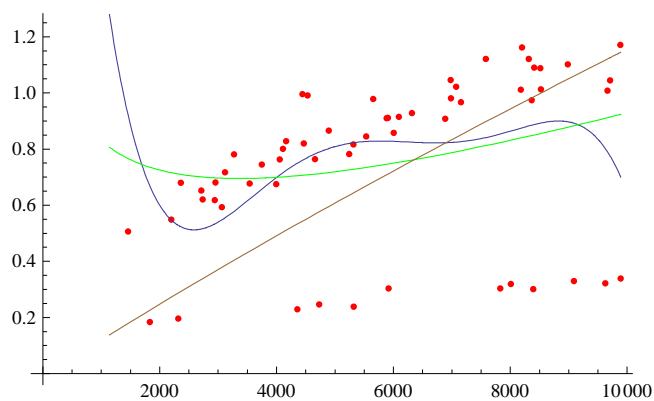
------Medium Mode------

Average Total Run Time: 0.619433's

Average Ploynomial Selection Time: 0.18165's

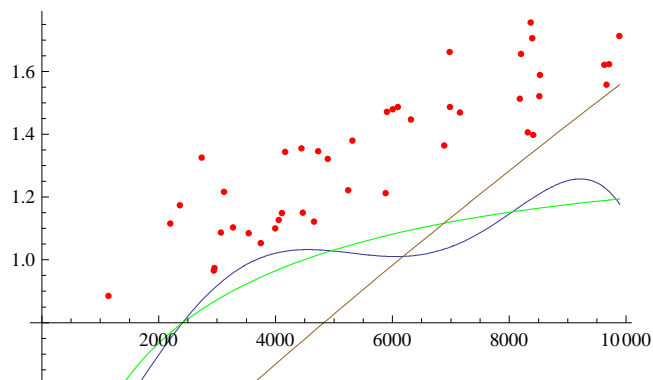Fails: %1.7, 1 out of 60 Numbers

------Large Mode------

Average Total Run Time: 0.769667's

Average Ploynomial Selection Time: 0.1854's

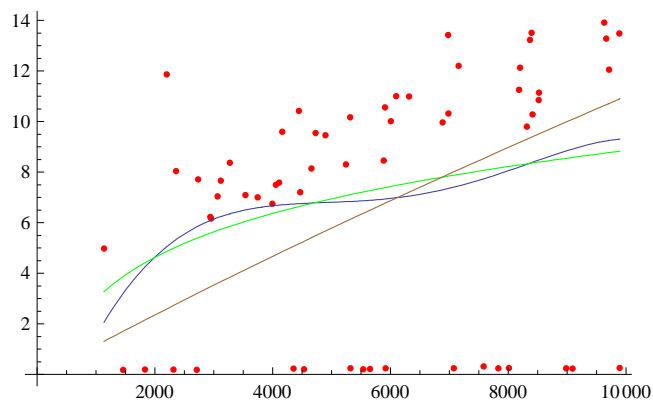Fails: %1.7, 1 out of 60 Numbers

------Extra Large Mode------

Average Total Run Time: 1.0249's

Average Ploynomial Selection Time: 0.0953's

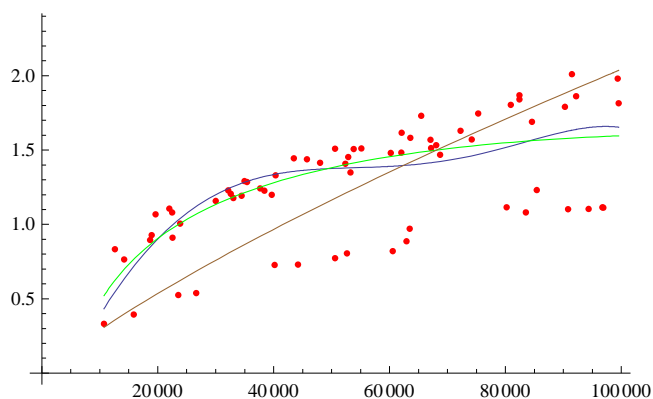Fails: %0, 0 out of 60 Numbers

------Huge Mode------

Average Total Run Time: 7.04622's

Average Ploynomial Selection Time: 0.09985's

Fails: %0, 0 out of 60 Numbers

----------------------------5-Digit Data Analysis----------------------------
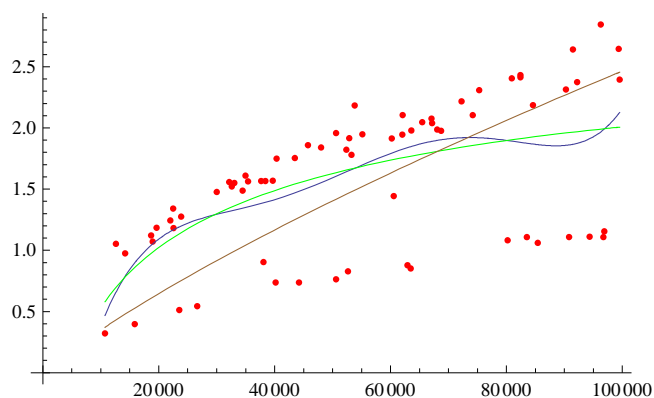
------Small Mode------

Average Total Run Time: 1.32633's

Average Ploynomial Selection Time: 0.762443's

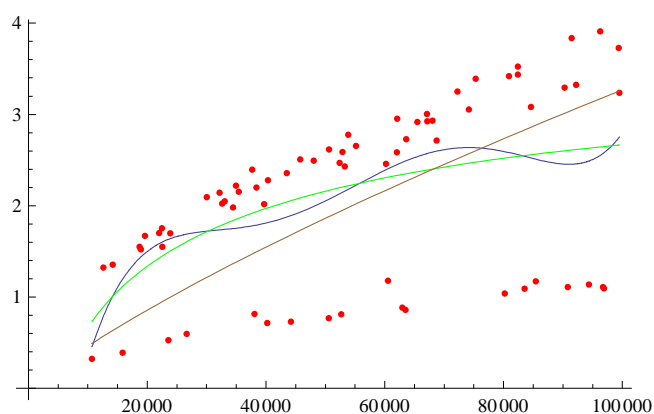Fails: %0, 0 out of 70 Numbers

------Medium Mode------

Average Total Run Time: 1.58179's

Average Ploynomial Selection Time: 0.731643's

Fails: %0, 0 out of 70 Numbers
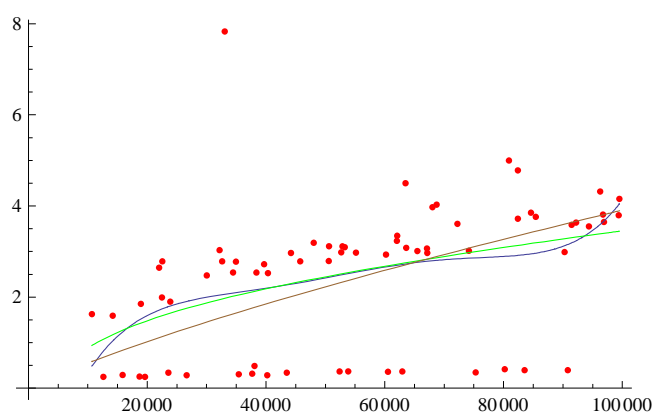
------Large Mode------

Average Total Run Time: 2.09461's

Average Ploynomial Selection Time: 0.743971's

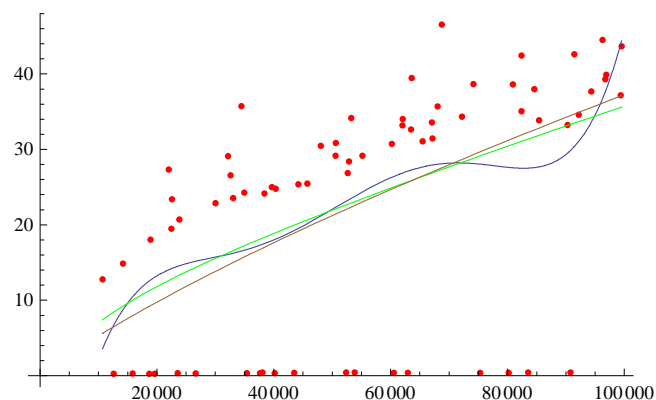Fails: %0, 0 out of 70 Numbers

------Extra Large Mode------

Average Total Run Time: 2.46369's

Average Ploynomial Selection Time: 0.211014's

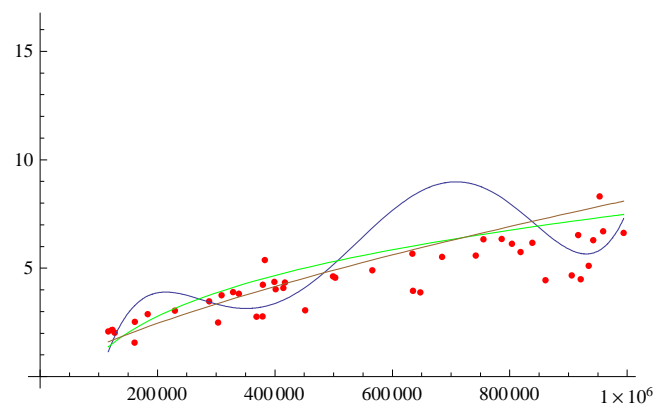Fails: %0, 0 out of 70 Numbers

------Huge Mode------

Average Total Run Time: 22.8737's

Average Ploynomial Selection Time: 0.228143's

Fails: %0, 0 out of 70 Numbers

----------------------------6-Digit Data Analysis----------------------------
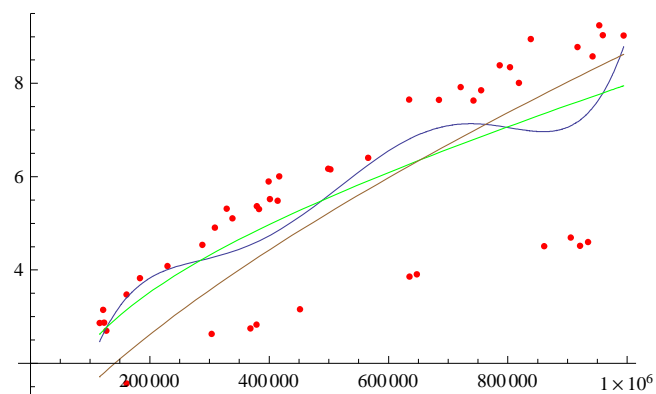
------Small Mode------

Average Total Run Time: 5.12396's

Average Ploynomial Selection Time: 3.24458's

Fails: %18., 8 out of 45 Numbers
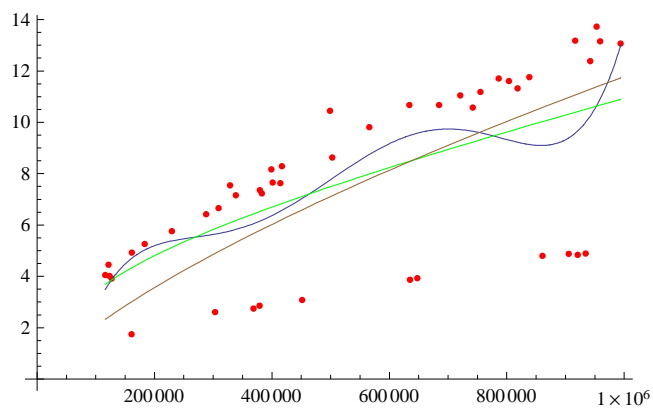
------Medium Mode------

Average Total Run Time: 5.58291's

Average Ploynomial Selection Time: 3.21191's
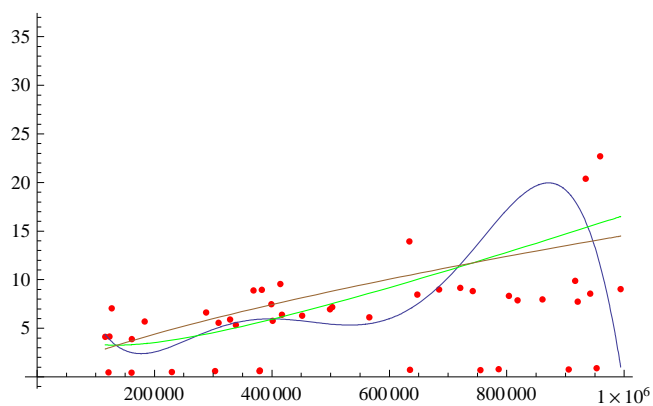
Fails: %0, 0 out of 45 Numbers

------Large Mode------

Average Total Run Time: 7.59278's

Average Ploynomial Selection Time: 3.27513's

Fails: %0, 0 out of 45 Numbers
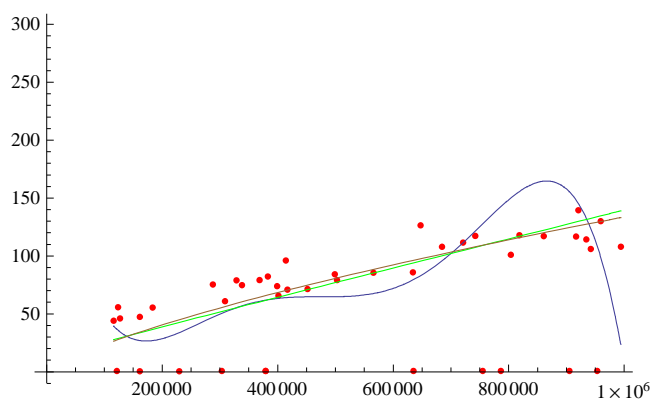
------Extra Large Mode------

Average Total Run Time: 8.72558's

Average Ploynomial Selection Time: 0.501356's

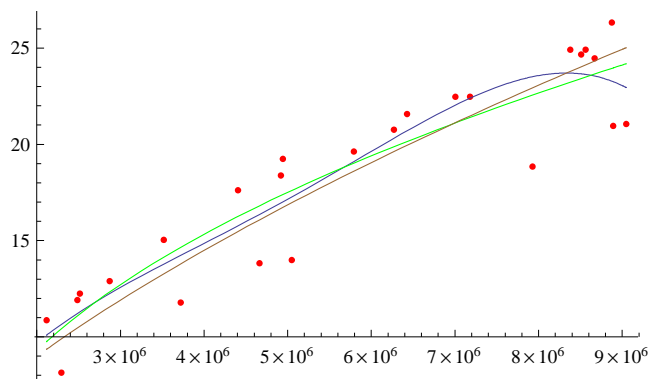Fails: %0, 0 out of 45 Numbers

------Huge Mode------

Average Total Run Time: 82.1119's

Average Ploynomial Selection Time: 0.536733's

Fails: %0, 0 out of 45 Numbers

----------------------------7-Digit Data Analysis----------------------------
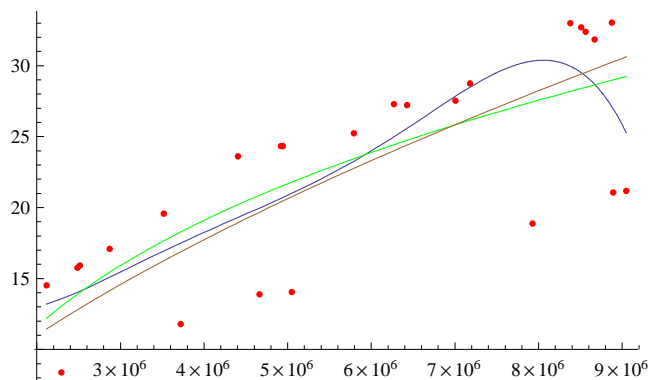
------Small Mode------

Average Total Run Time: 18.36's

Average Ploynomial Selection Time: 15.0783's

Fails: %12., 3 out of 25 Numbers

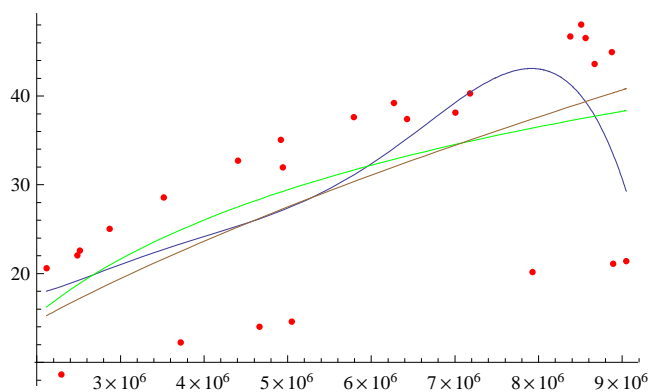------Medium Mode------

Average Total Run Time: 22.5352's

Average Ploynomial Selection Time: 15.1297's

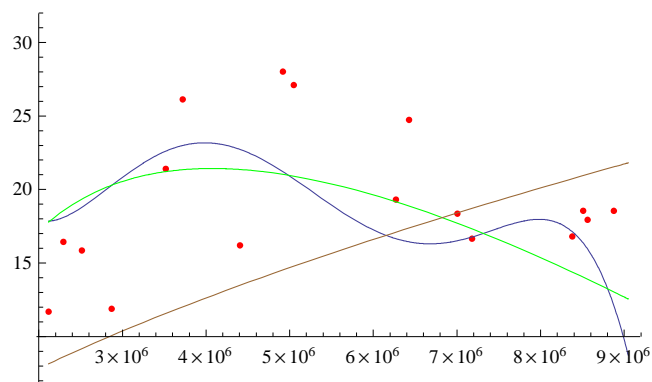Fails: %0, 0 out of 25 Numbers

------Large Mode------

Average Total Run Time: 30.1288's

Average Ploynomial Selection Time: 15.5855's

Fails: %0, 0 out of 25 Numbers
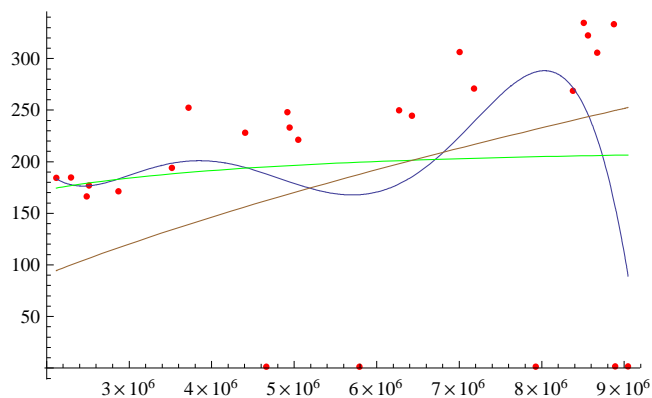
------Extra Large Mode------

Average Total Run Time: 17.8582's

Average Ploynomial Selection Time: 1.15408's

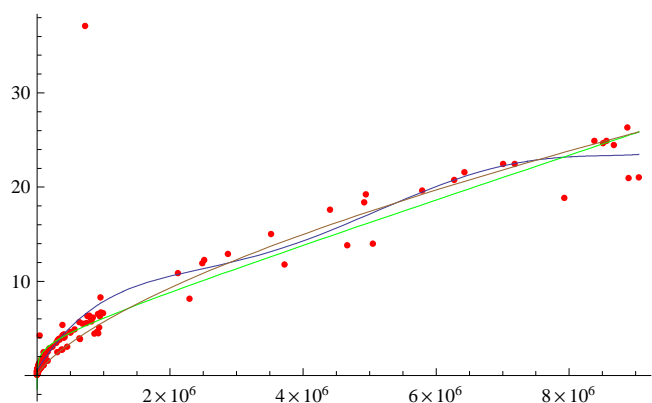Fails: %0, 0 out of 25 Numbers

------Huge Mode------

Average Total Run Time: 196.139's

Average Ploynomial Selection Time: 1.14144's

Fails: %0, 0 out of 25 Numbers

---------------------------Whole Data Analysis---------------------------
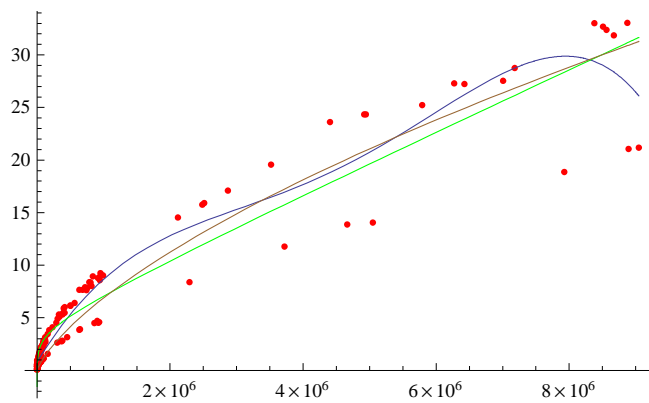
------Small Mode------

Average Total Run Time: 3.71991's

Average Ploynomial Selection Time: 2.674's

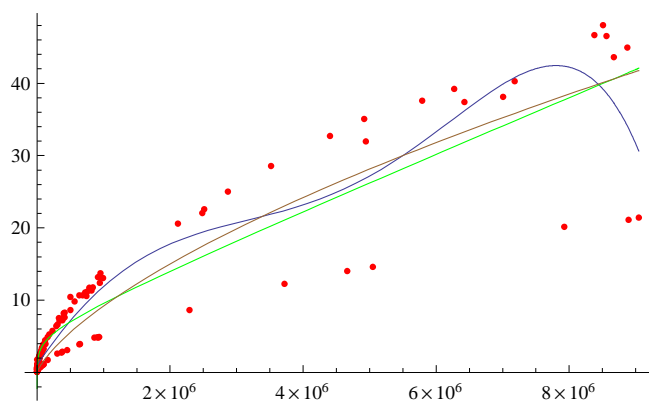Fails: %5.5, 12 out of 220 Numbers

------Medium Mode------

Average Total Run Time: 4.39742's

Average Ploynomial Selection Time: 2.66352's

Fails: %0.45, 1 out of 220 Numbers
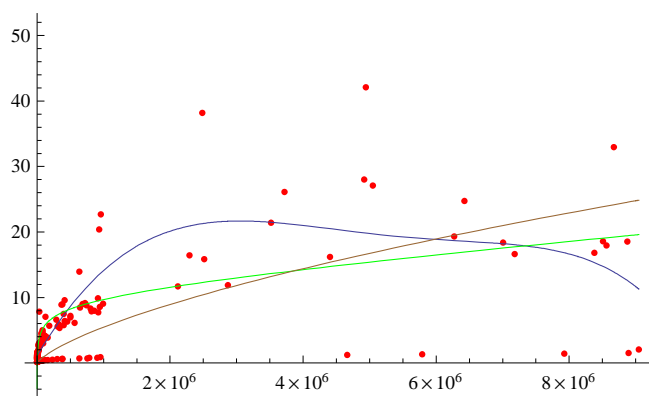
------Large Mode------

Average Total Run Time: 5.87804's

Average Ploynomial Selection Time: 2.7332's

Fails: %0.45, 1 out of 220 Numbers

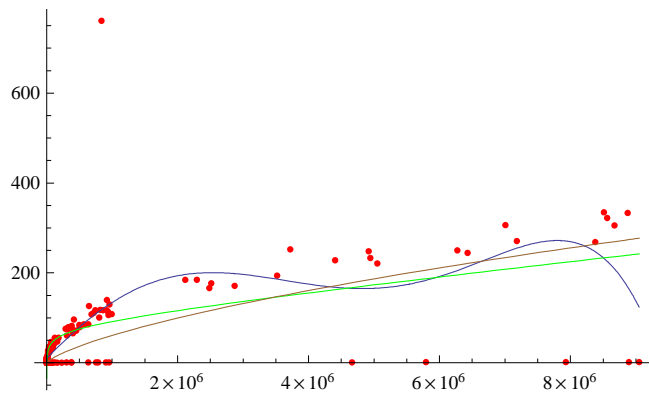------Extra Large Mode------

Average Total Run Time: 4.92878's

Average Ploynomial Selection Time: 0.332009's

Fails: %0, 0 out of 220 Numbers

------Huge Mode------

Average Total Run Time: 48.5402's

Average Ploynomial Selection Time: 0.344791's

Fails: %0, 0 out of 220 Numbers