Shapiro-Wilk Test for Normality (done on subsets because N>5000):

Dataset A subset: statistic = 0.9997, p-value = 0.8377 Dataset B subset: statistic = 0.9535, p-value = 0.0000

Anderson-Darling Test for Normality (on full datasets):

Dataset A: A2 = 0.2776

Significance level: 15.0%, Critical Value: 0.5760 Significance level: 10.0%, Critical Value: 0.6560 Significance level: 5.0%, Critical Value: 0.7870 Significance level: 2.5%, Critical Value: 0.9180 Significance level: 1.0%, Critical Value: 1.0920

Dataset B: A2 = 8917.0256

Significance level: 15.0%, Critical Value: 0.5760 Significance level: 10.0%, Critical Value: 0.6560 Significance level: 5.0%, Critical Value: 0.7870 Significance level: 2.5%, Critical Value: 0.9180 Significance level: 1.0%, Critical Value: 1.0920

Data is not normally distributed. Using Pearson Chi-square test on binned data...

Chi-square Test Results:

Chi-square statistic: 361918.8269772363

Degrees of freedom: 18

P-value: 0.0

KS Test Results (For Distributional Differences):

KS-statistic: 0.217063

P-value: 0.0

