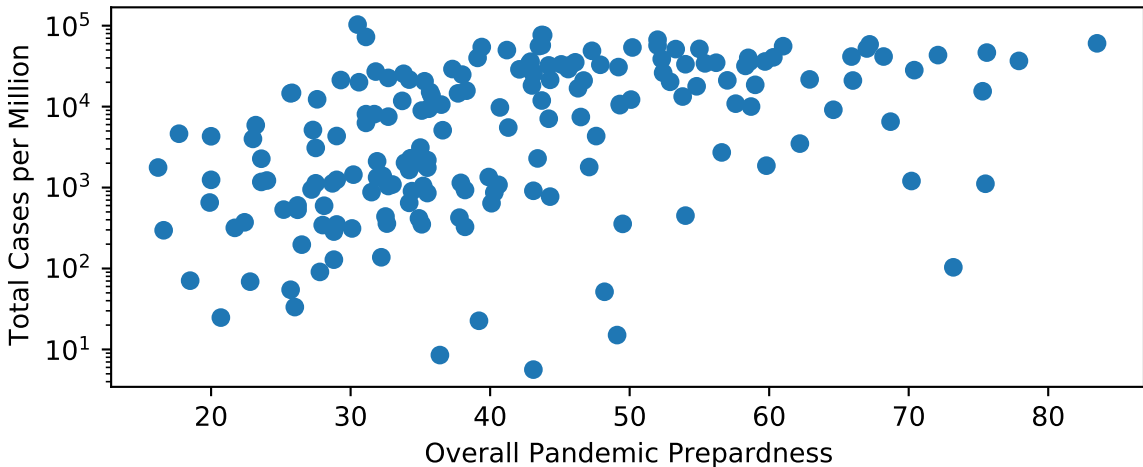


# Overall Pandemic Preparedness vs Total Cases per Million



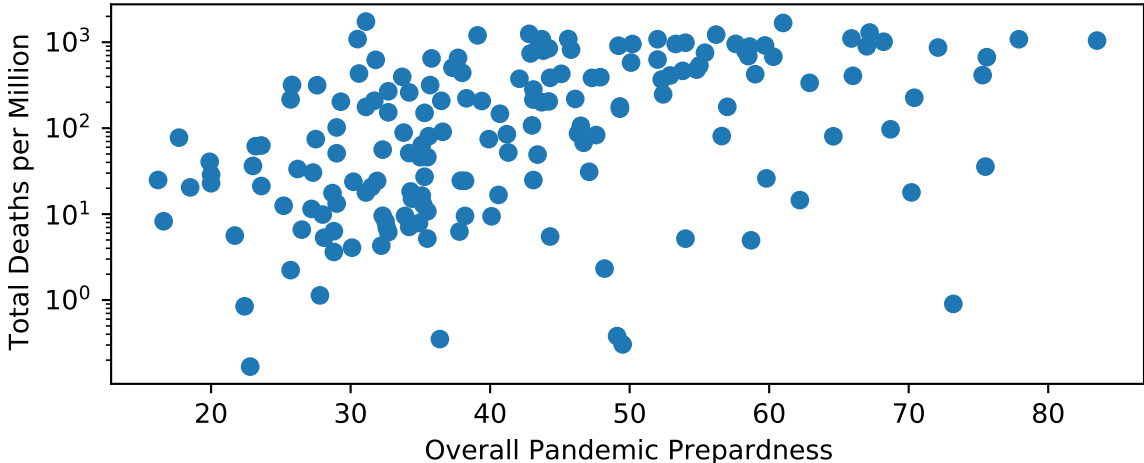
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Total Cases per Million	0.809	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.529	Relatively Strong
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Total Deaths per Million



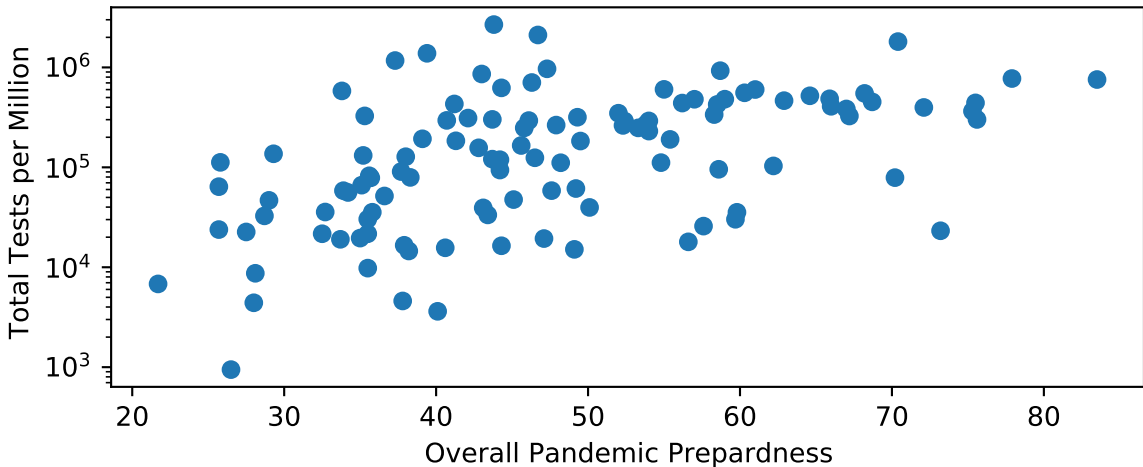
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Total Deaths per Million	0.754	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.511	Relatively Strong
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Total Tests per Million



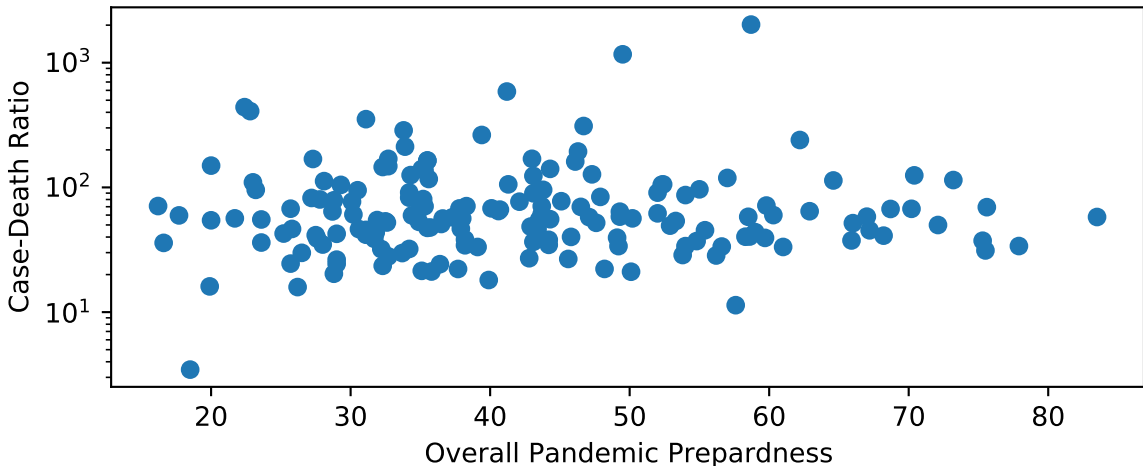
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Total Tests per Million	0.661	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.522	Relatively Strong
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Case-Death Ratio



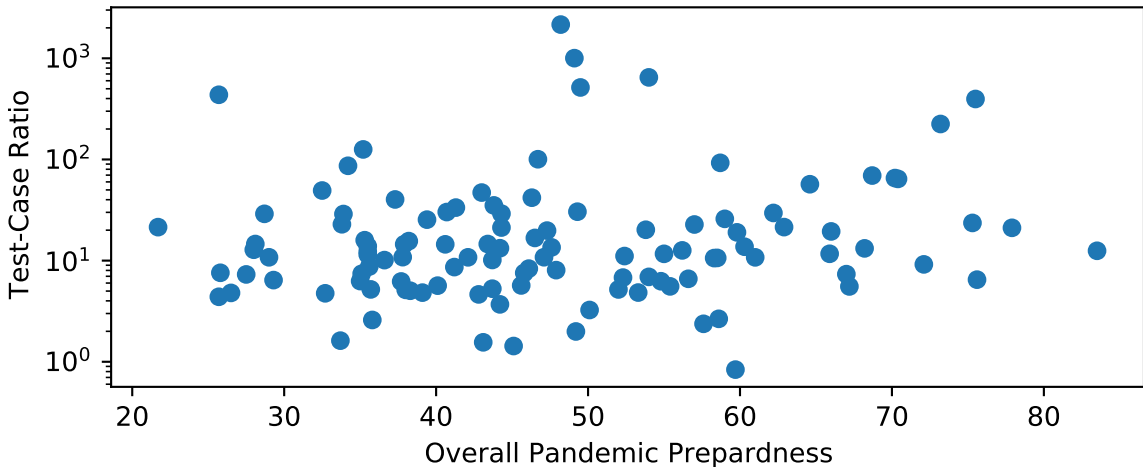
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Case-Death Ratio	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.008	Negligible
P-Value	0.914	Not Significant

# Overall Pandemic Preparedness vs Test-Case Ratio



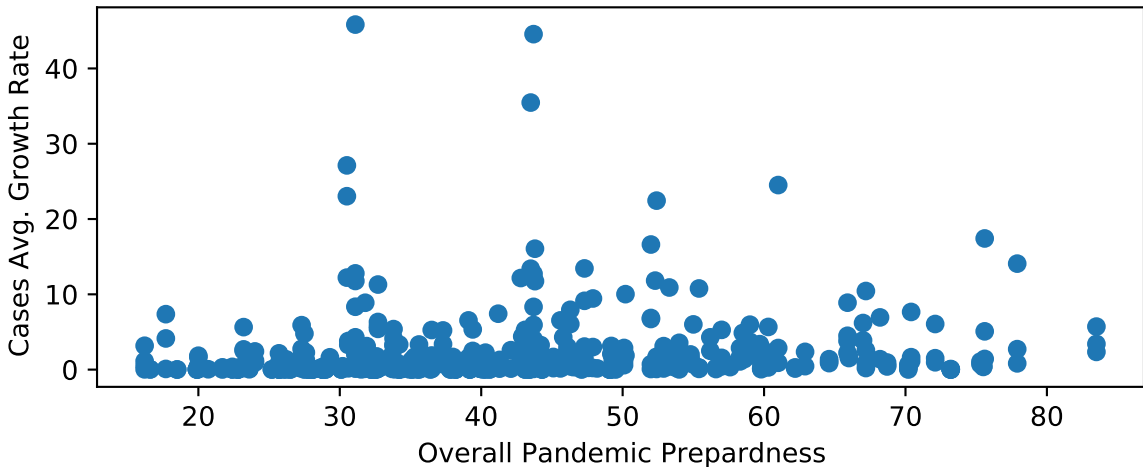
## Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Test-Case Ratio	0.281	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.135	Weak
P-Value	0.157	Not Significant

Overall Pandemic Preparedness vs Cases Avg. Growth Rate



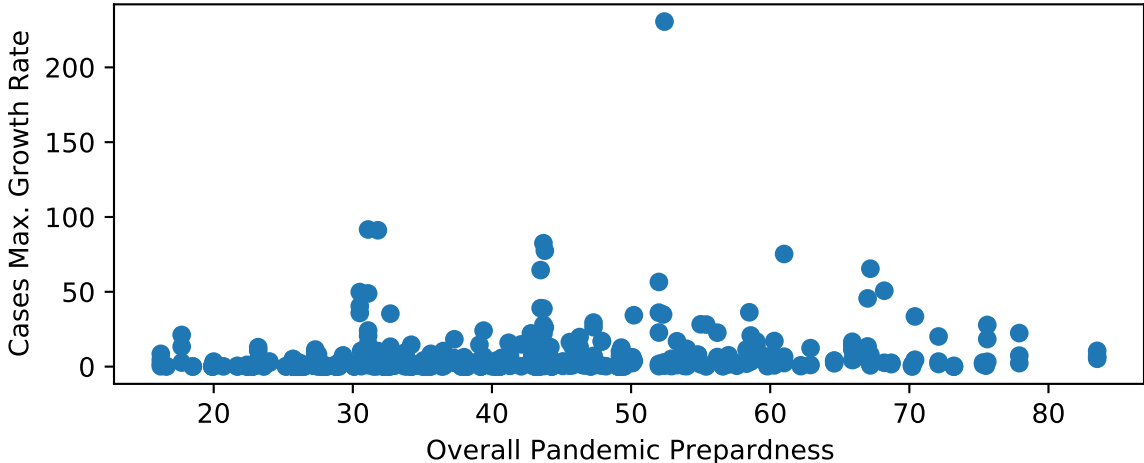
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Avg. Growth Rate	0.223	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.324	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Cases Max. Growth Rate



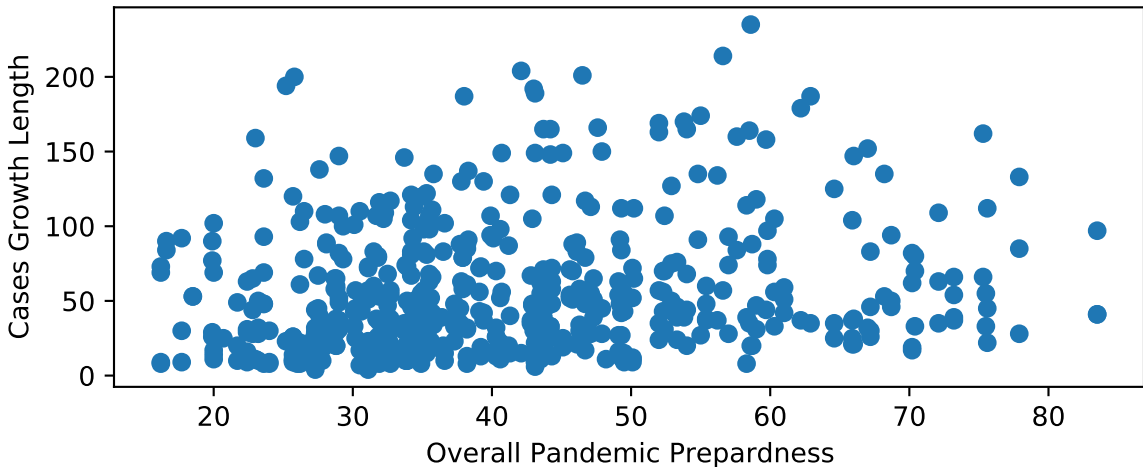
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Max. Growth Rate	0.318	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.308	Moderate
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Cases Growth Length



Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Growth Length	0.864	0.0

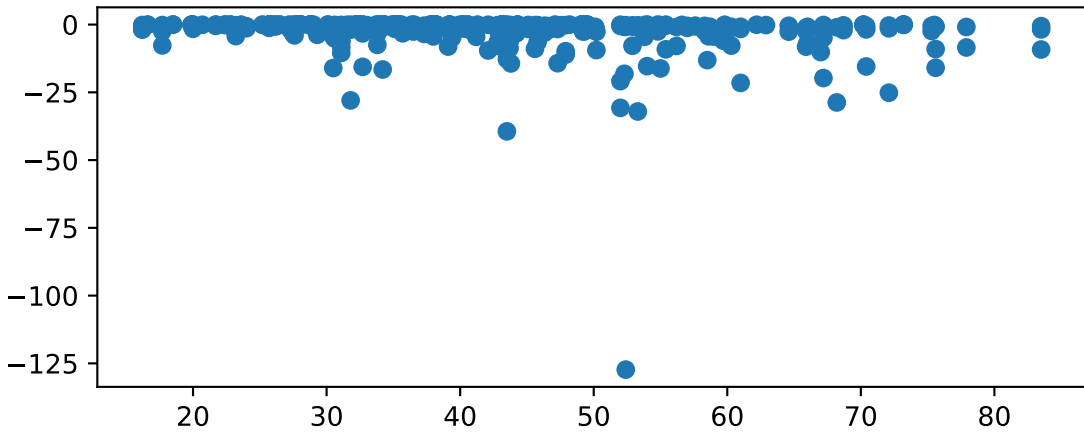
Spearman Correlation Test

Output	Results	Outcome
Score	0.241	Moderate
P-Value	0.0	Significant



Overall Pandemic Preparedness vs Cases Avg. Submission Rate

Cases Avg. Submission Rate



Overall Pandemic Preparedness

Shapiro-Wilk Test

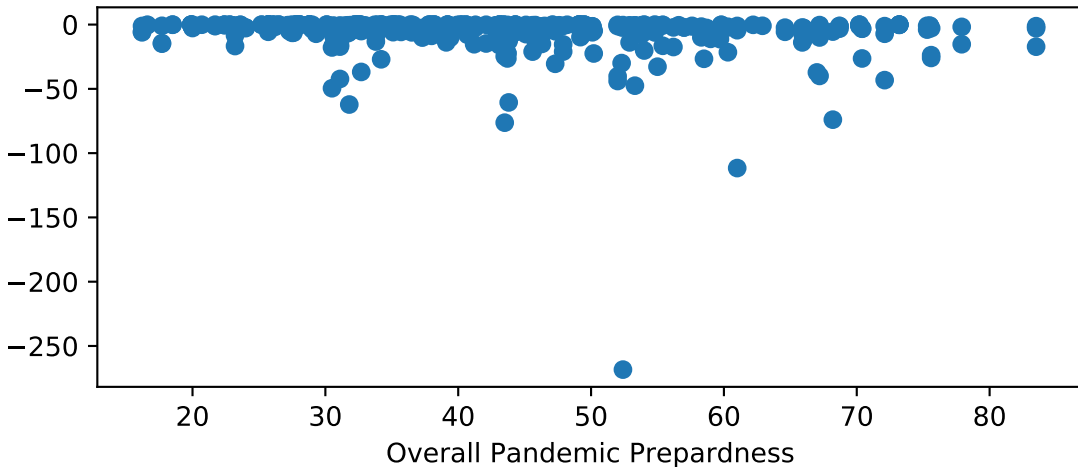
Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Avg. Submission Rate	0.23	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.292	Moderate
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Cases Max. Submission Rate

Cases Max. Submission Rate



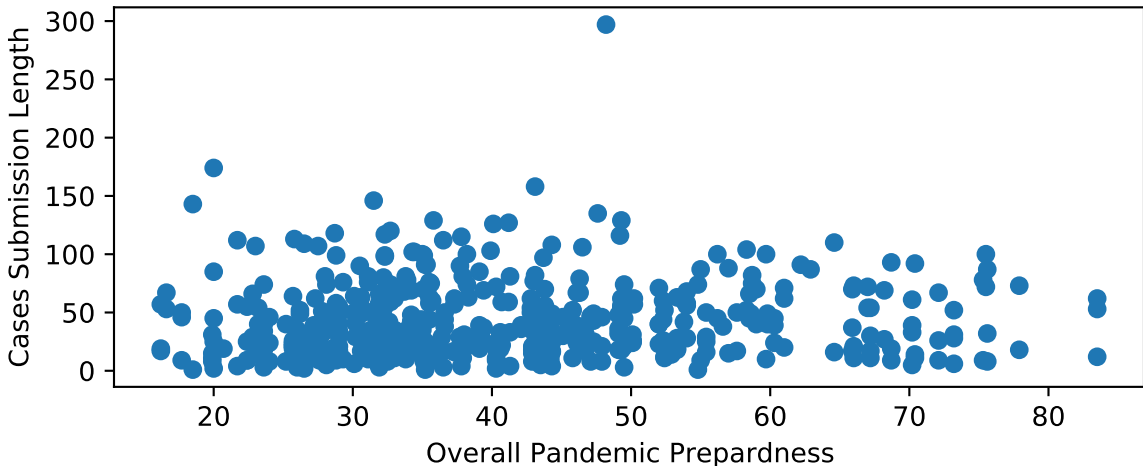
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.998	0.0
Cases Max. Submission Rate	0.274	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.264	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Cases Submission Length



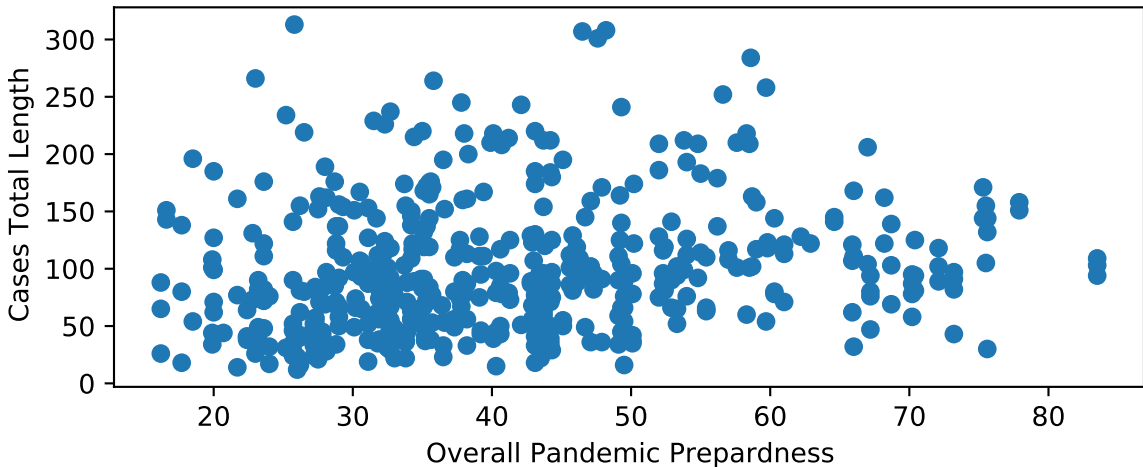
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Submission Length	0.855	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.107	Weak
P-Value	0.018	Significant

Overall Pandemic Preparedness vs Cases Total Length



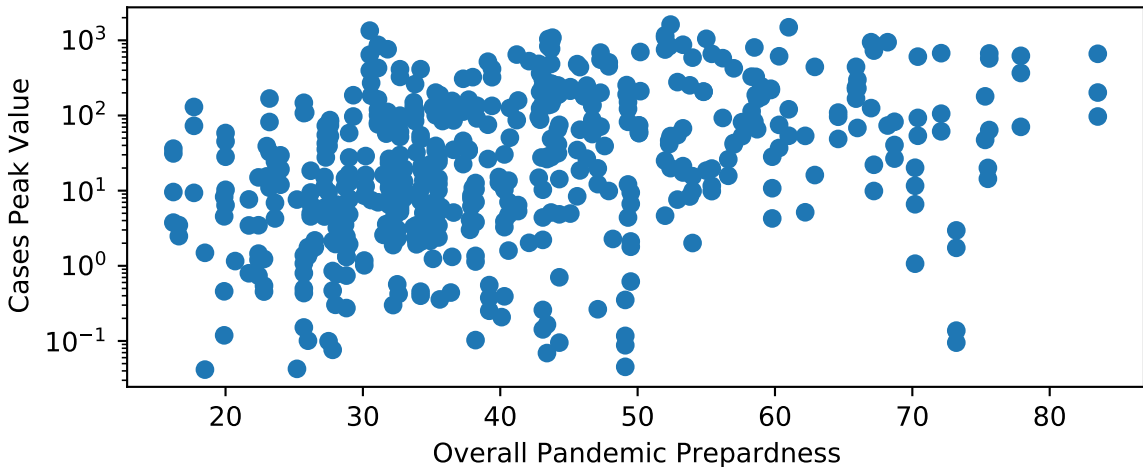
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Total Length	0.918	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.262	Moderate
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Cases Peak Value



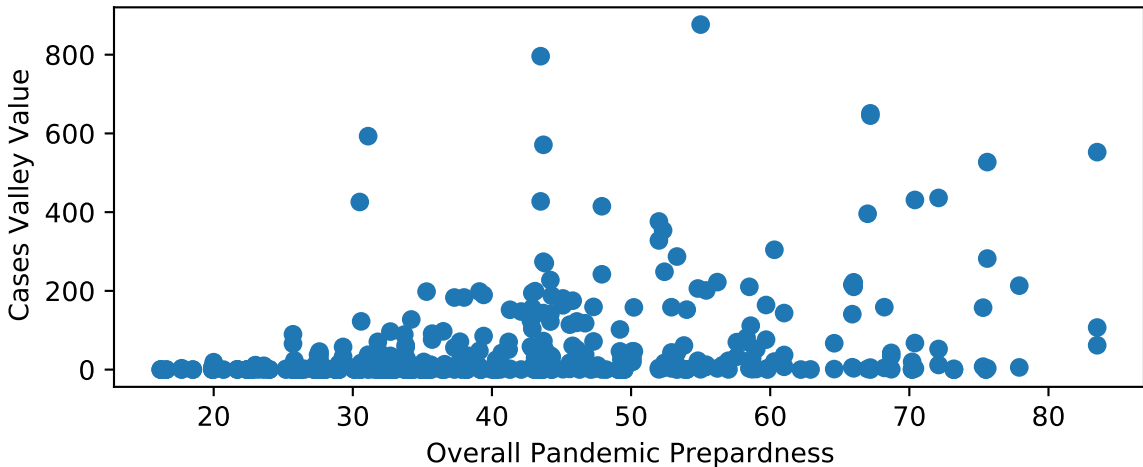
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Peak Value	0.554	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.402	Relatively Strong
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Cases Valley Value



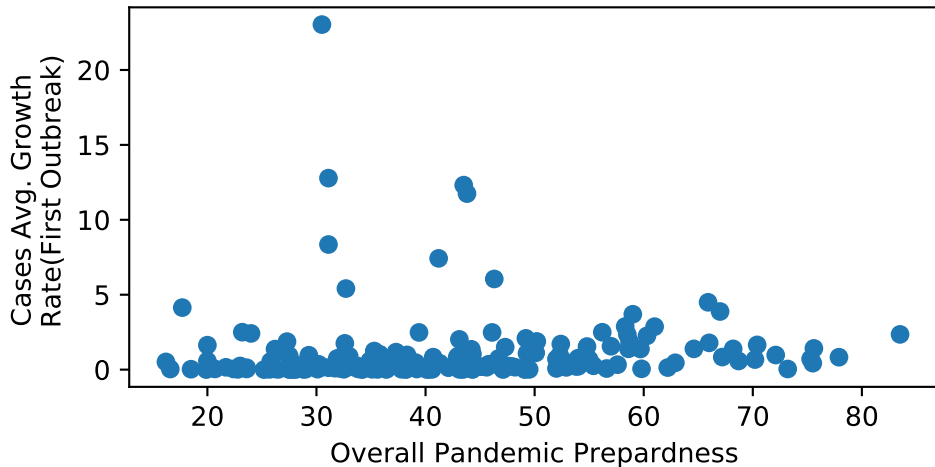
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Valley Value	0.478	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.414	Relatively Strong
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Cases Avg. Growth Rate(First Outbreak)



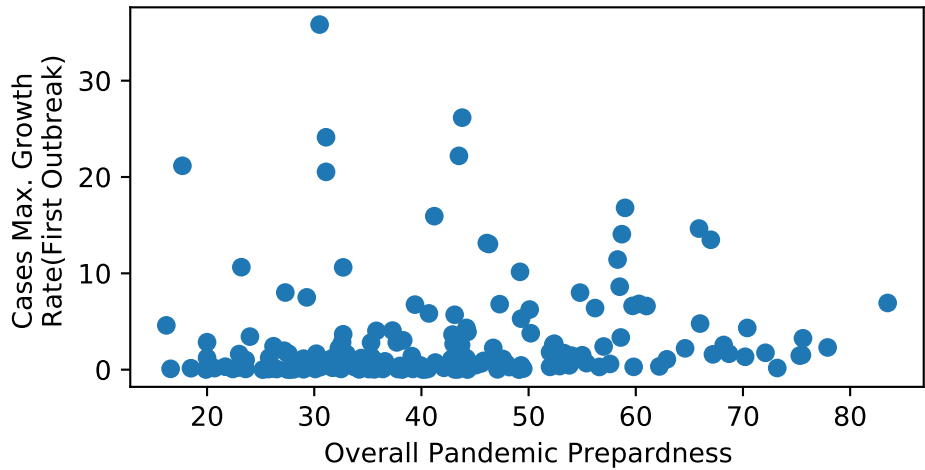
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Avg. Growth Rate(First Outbreak)	0.28	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.34	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Cases Max. Growth Rate(First Outbreak)



Shapiro-Wilk Test

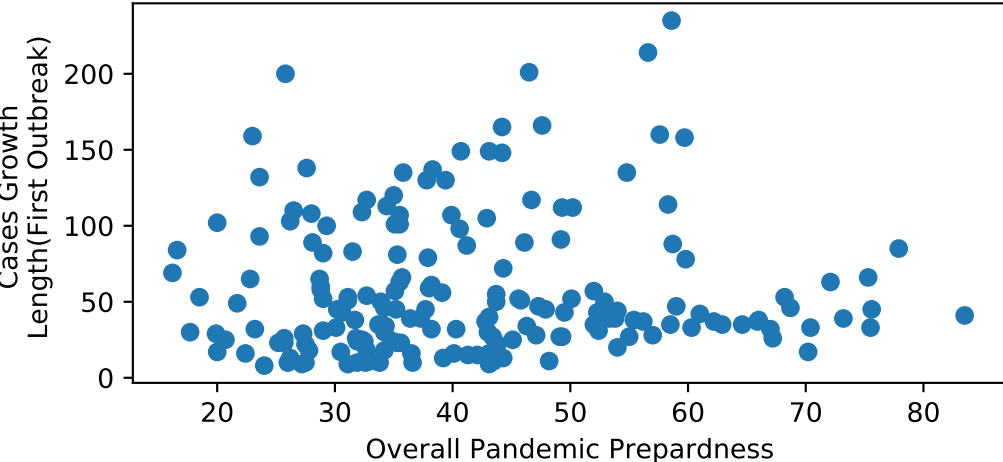
Spearman Correlation Test

Test	Statistic	P-value
Shapiro-Wilk Test	0.998	0.0
Cases Max. Growth Rate(First Outbreak)	0.998	0.0

Output	Results	Outcome
Score	0.31	Moderate
P-Value	0.0	Significant



# Overall Pandemic Preparedness vs Cases Growth Length(First Outbreak)



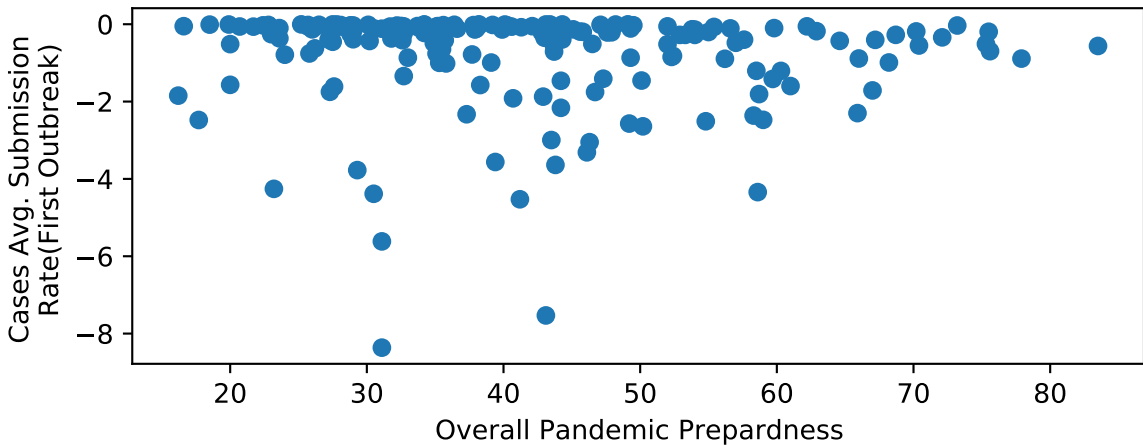
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Growth Length(First Outbreak)	0.836	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.095	Negligible
P-Value	0.203	Not Significant

Overall Pandemic Preparedness vs Cases Avg. Submission Rate(First Outbreak)



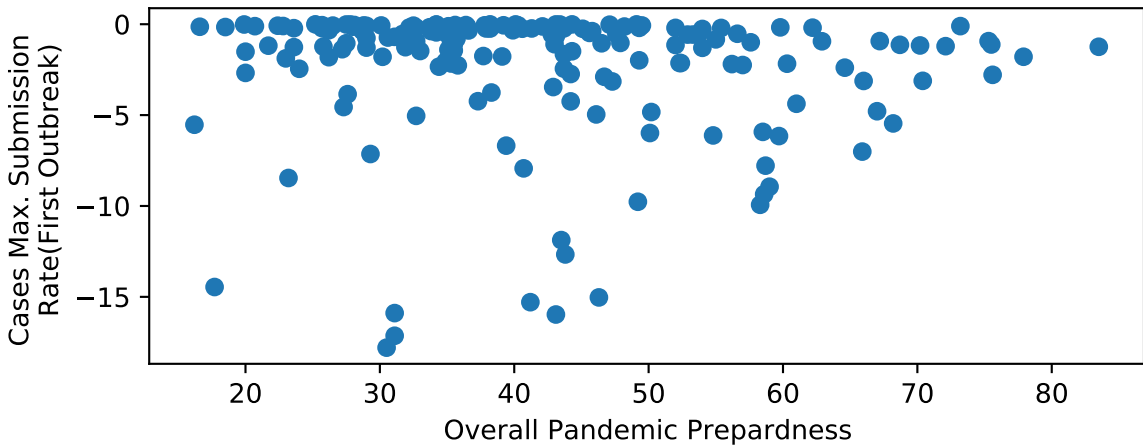
Shapiro-Wilk Test

Item	Score	P-Value
Overall Pandemic Preparedness	0.980	0.1
Cases Avg. Submission Rate(First Outbreak)	0.999	0.1

Spearman Correlation Test

Output	Results	Outcome
Score	-0.246	Moderate
P-Value	0.001	Significant

Overall Pandemic Preparedness vs Cases Max. Submission Rate(First Outbreak)



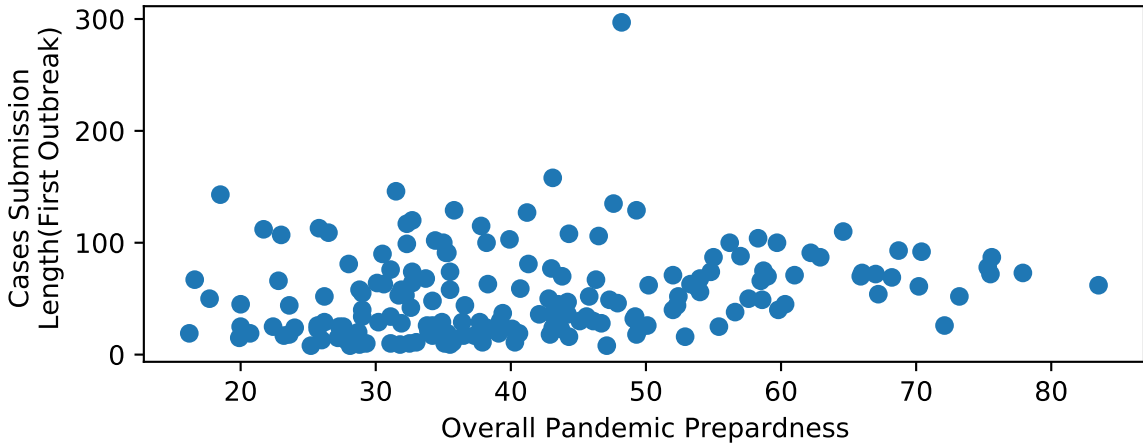
Shapiro-Wilk Test

Item	Score	P-Value
Overall Pandemic Preparedness	0.999	0.17
Cases Max. Submission Rate(First Outbreak)	0.975	0.17

Spearman Correlation Test

Output	Results	Outcome
Score	-0.235	Moderate
P-Value	0.001	Significant

# Overall Pandemic Preparedness vs Cases Submission Length(First Outbreak)

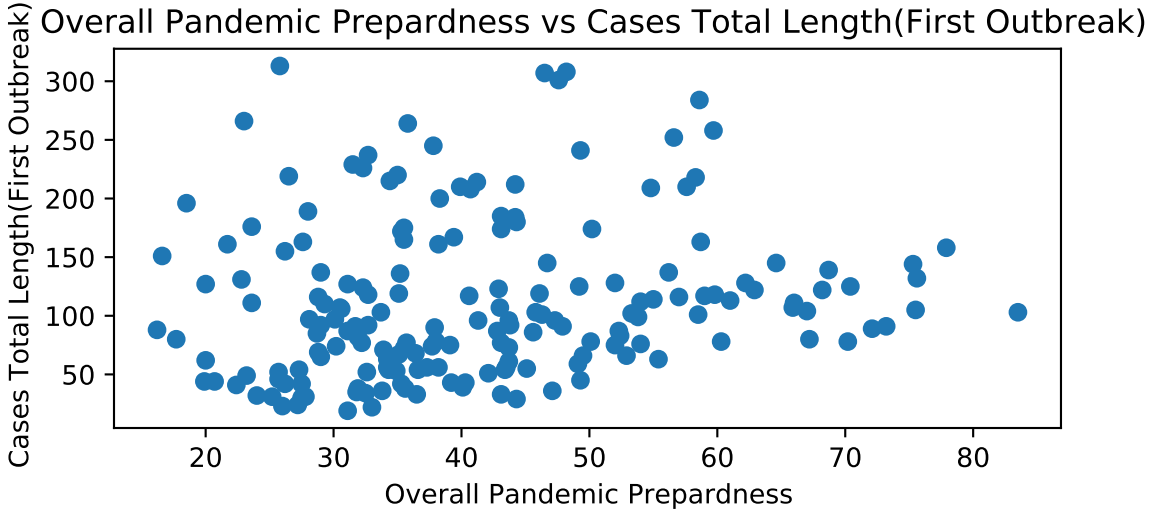


Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Submission Length(First Outbreak)	0.852	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.296	Moderate
P-Value	0.0	Significant

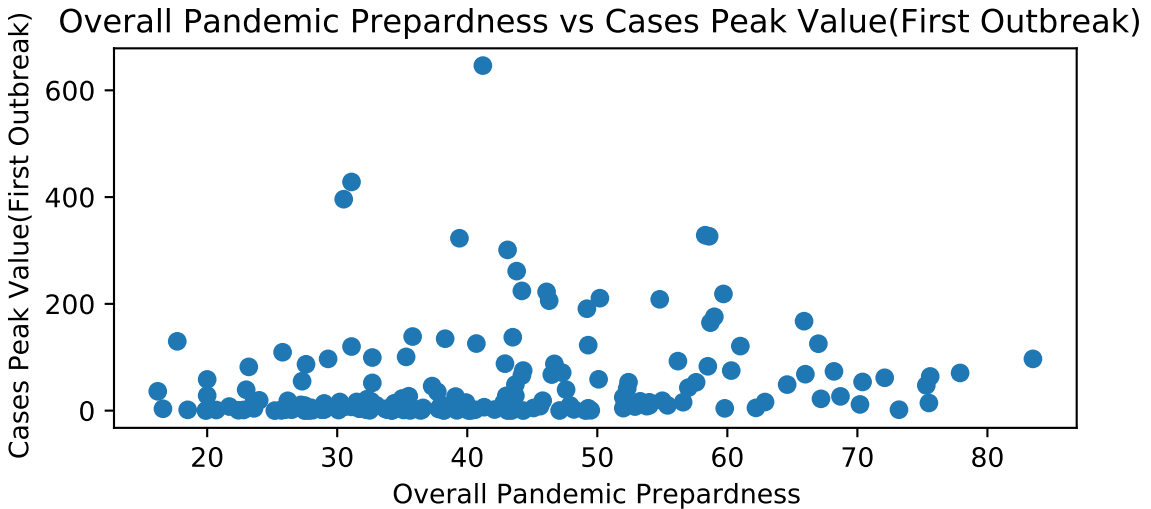


Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.938	0.0
Cases Total Length(First Outbreak)	0.903	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.236	Moderate
P-Value	0.001	Significant

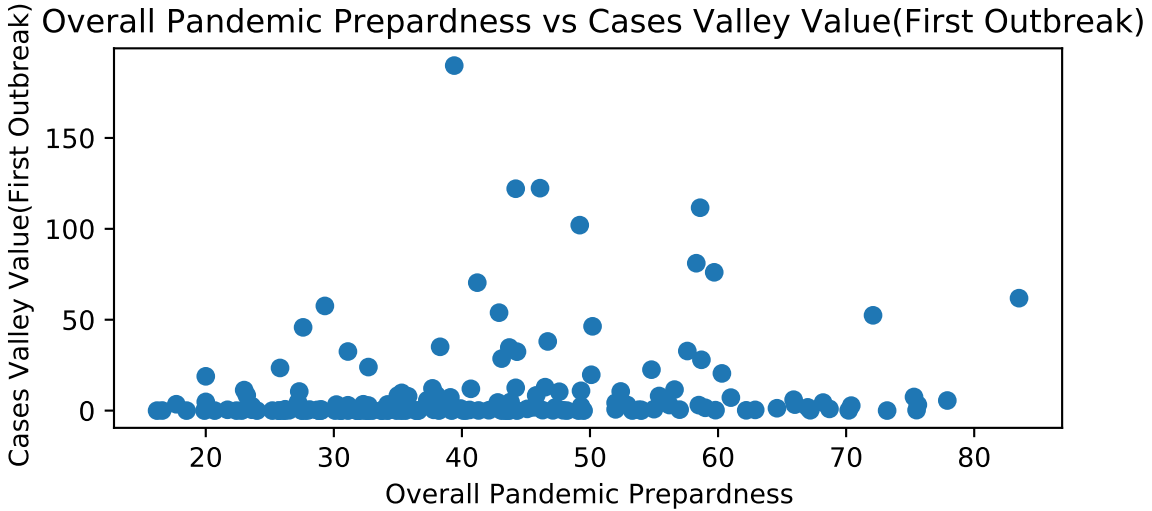


Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Peak Value(First Outbreak)	0.592	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.351	Moderate
P-Value	0.0	Significant



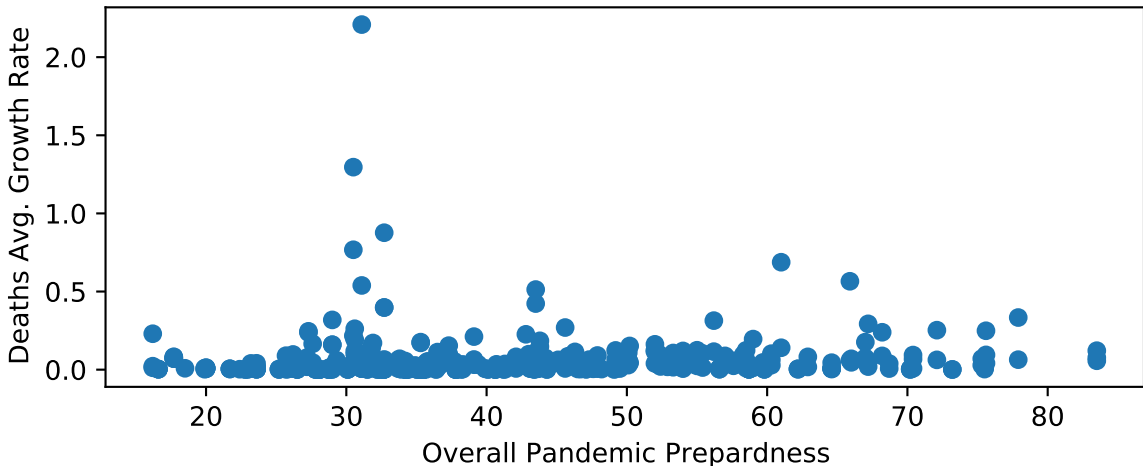
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Cases Valley Value(First Outbreak)	0.445	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.338	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Deaths Avg. Growth Rate



Shapiro-Wilk Test

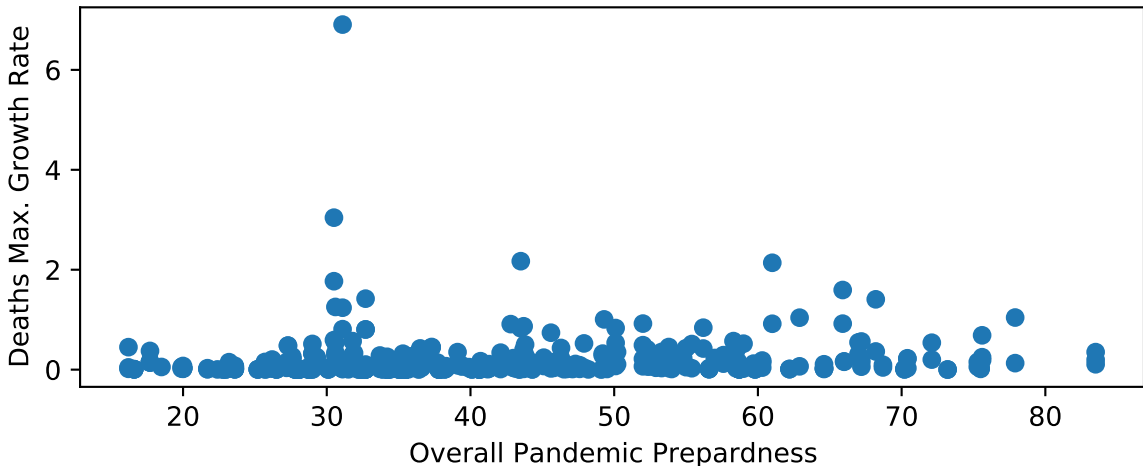
Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Avg. Growth Rate	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.249	Moderate
P-Value	0.0	Significant



Overall Pandemic Preparedness vs Deaths Max. Growth Rate



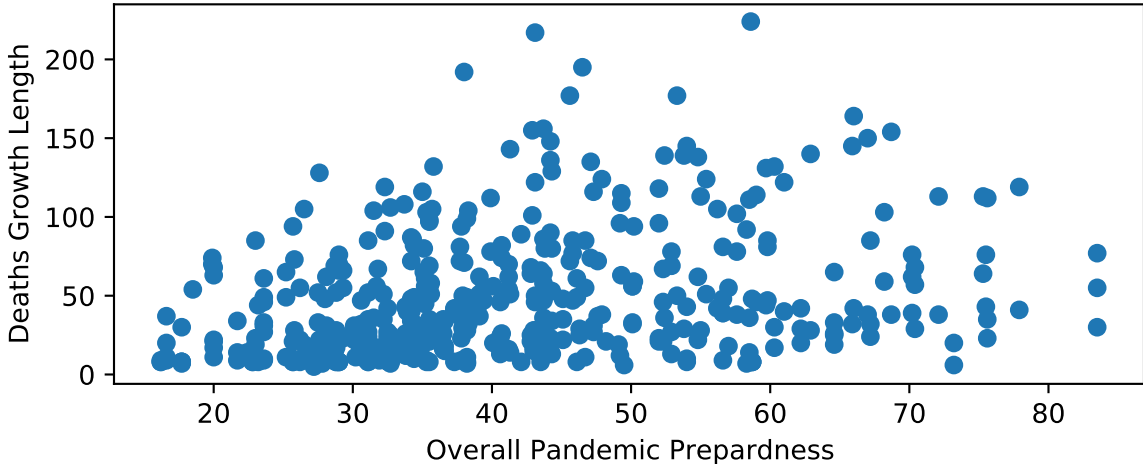
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Max. Growth Rate	0.385	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.26	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Deaths Growth Length



Shapiro-Wilk Test

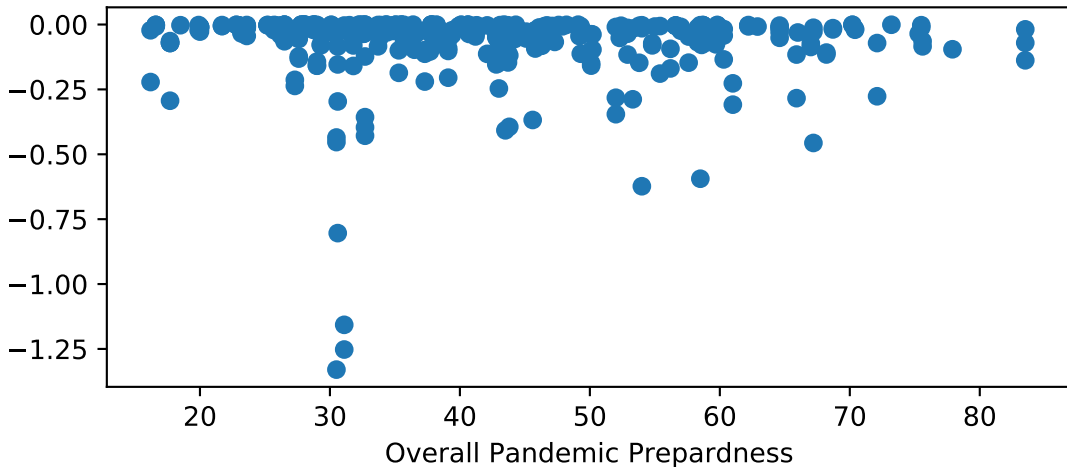
Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Growth Length	0.841	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.376	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Deaths Avg. Submission Rate

Deaths Avg. Submission Rate

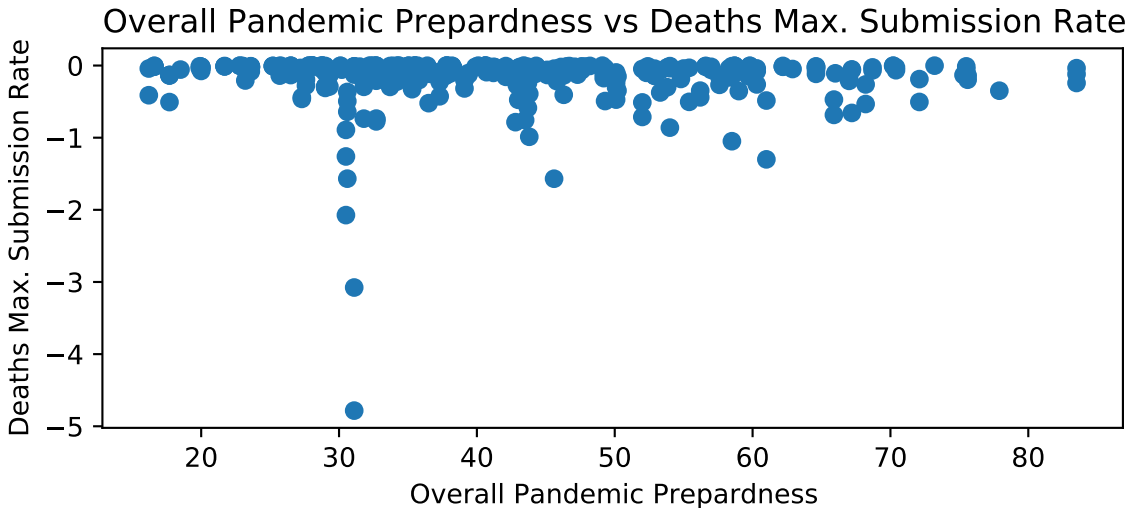


Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Avg. Submission Rate	0.402	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.203	Moderate
P-Value	0.0	Significant



Shapiro-Wilk Test

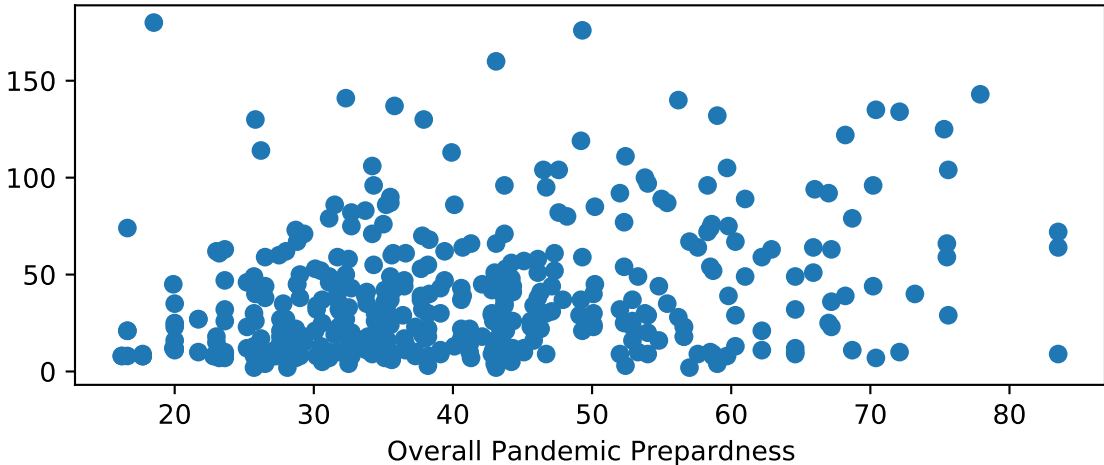
Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Max. Submission Rate	0.996	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.207	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Deaths Submission Length

Deaths Submission Length



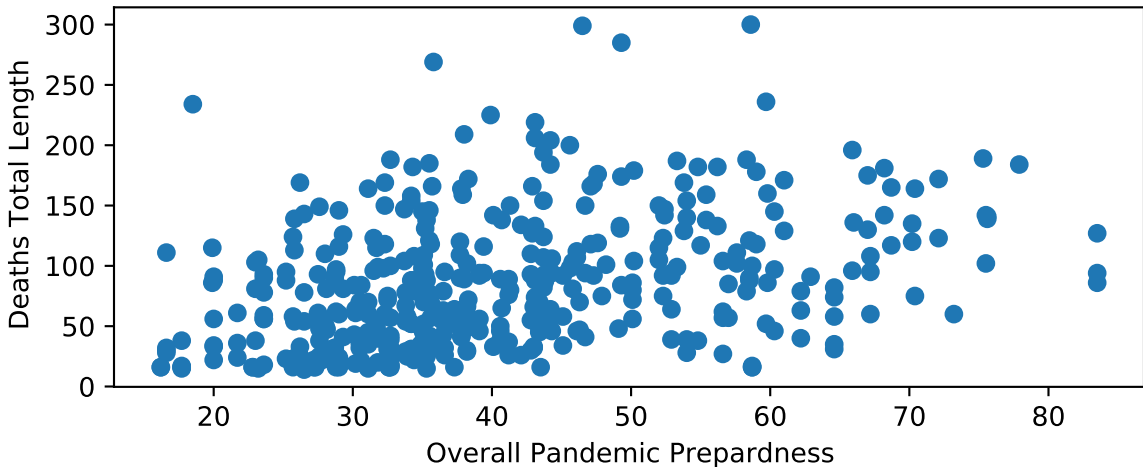
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Submission Length	0.837	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.276	Moderate
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Deaths Total Length



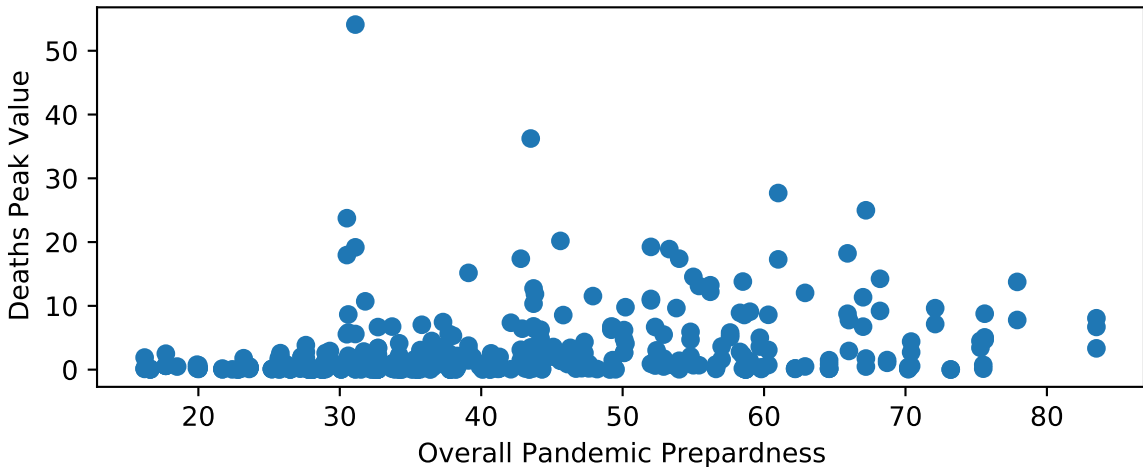
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Total Length	0.918	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.43	Relatively Strong
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Deaths Peak Value



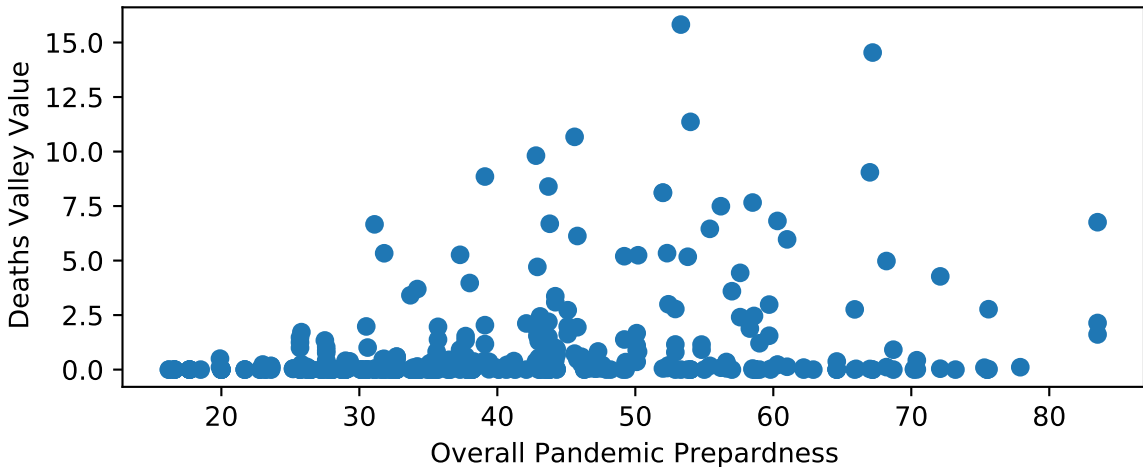
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Peak Value	0.57	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.393	Moderate
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Deaths Valley Value



Shapiro-Wilk Test

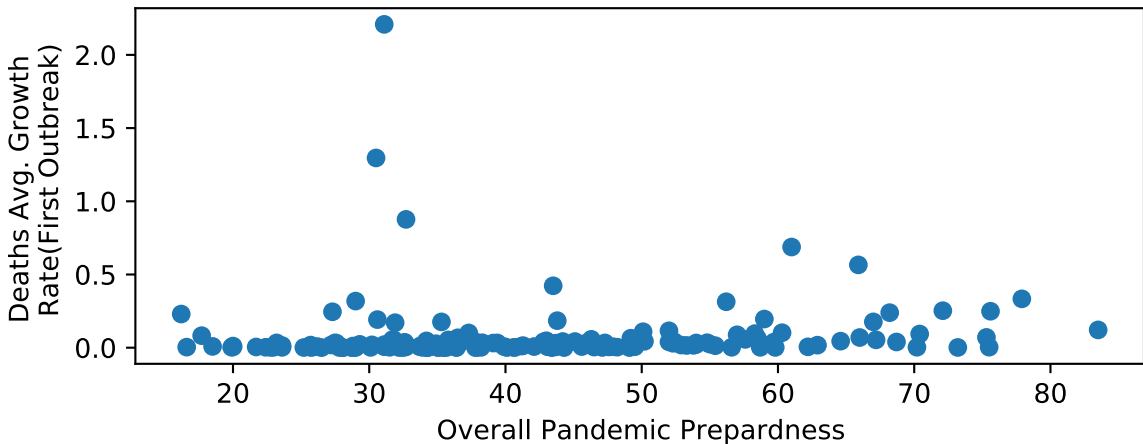
Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Valley Value	0.464	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.372	Moderate
P-Value	0.0	Significant



# Overall Pandemic Preparedness vs Deaths Avg. Growth Rate(First Outbreak)



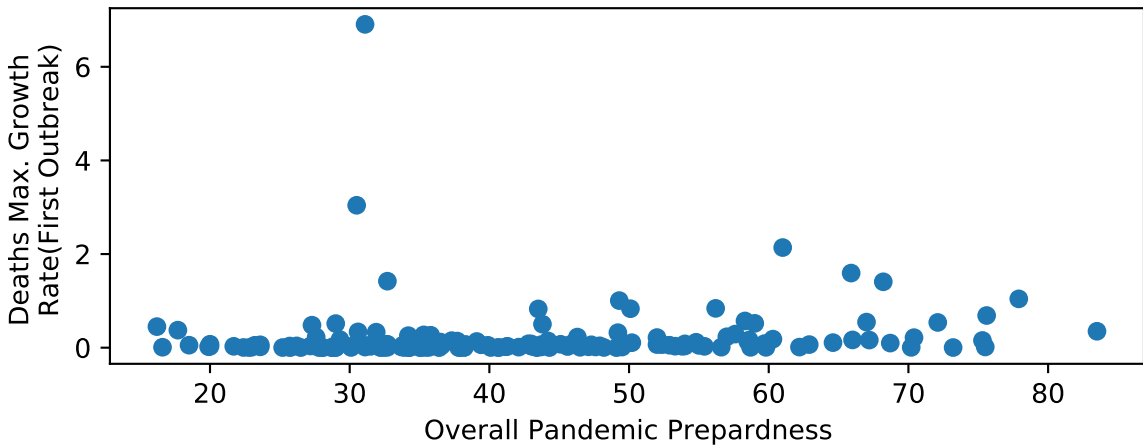
## Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Avg. Growth Rate(First Outbreak)	0.359	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.339	Moderate
P-Value	0.0	Significant

Overall Pandemic Preparedness vs Deaths Max. Growth Rate(First Outbreak)



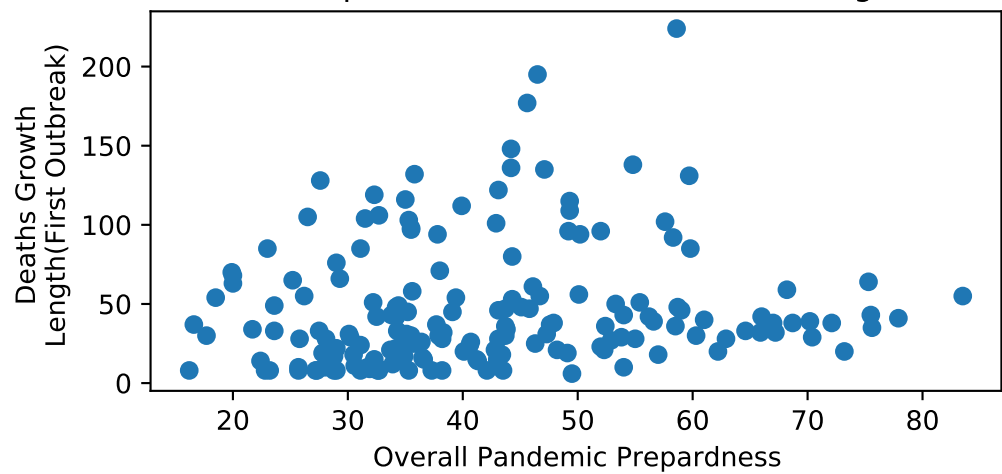
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Max. Growth Rate(First Outbreak)	0.379	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.311	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Deaths Growth Length(First Outbreak)



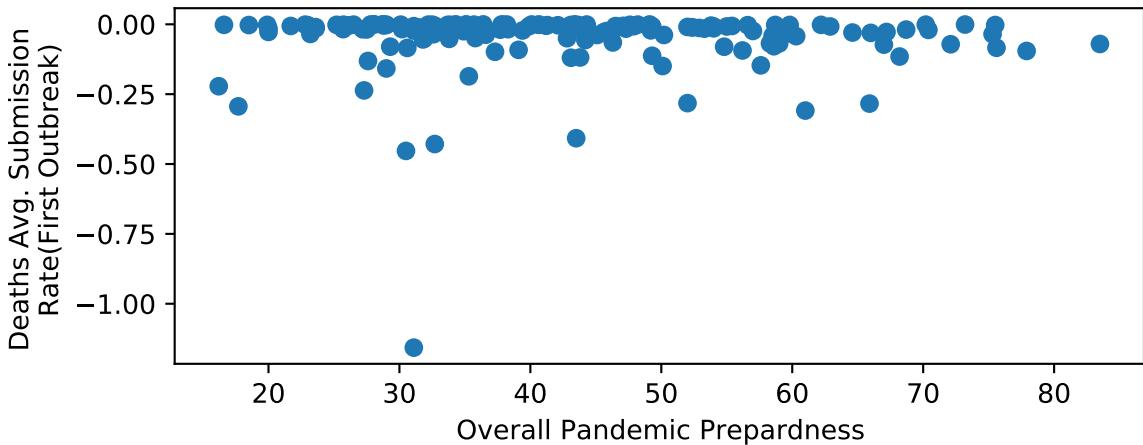
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Growth Length(First Outbreak)	0.819	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.226	Moderate
P-Value	0.003	Significant

Overall Pandemic Preparedness vs Deaths Avg. Submission Rate(First Outbreak)



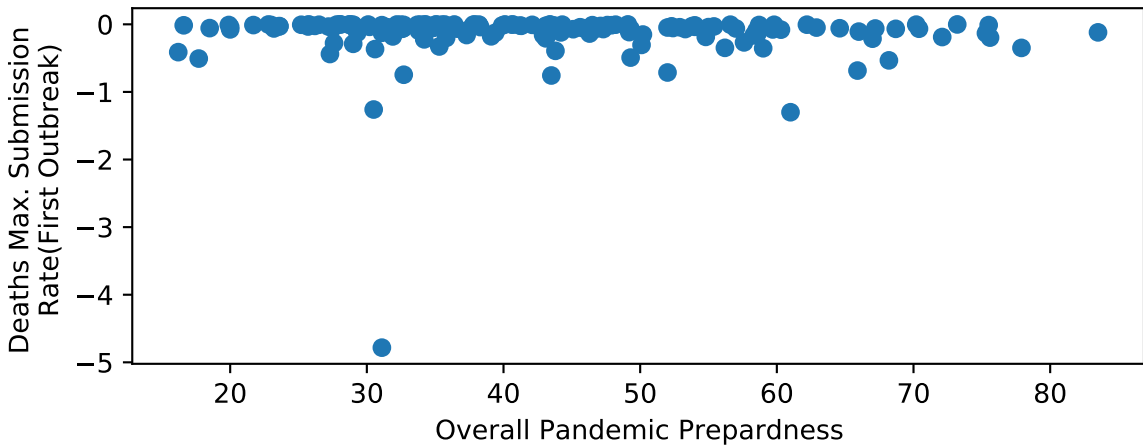
Shapiro-Wilk Test

Tests	Stats	P-Value
Shapiro-Wilk Test	0.998	0.998
Normality Test	0.998	0.998

Spearman Correlation Test

Output	Results	Outcome
Score	-0.214	Moderate
P-Value	0.005	Significant

Overall Pandemic Preparedness vs Deaths Max. Submission Rate(First Outbreak)



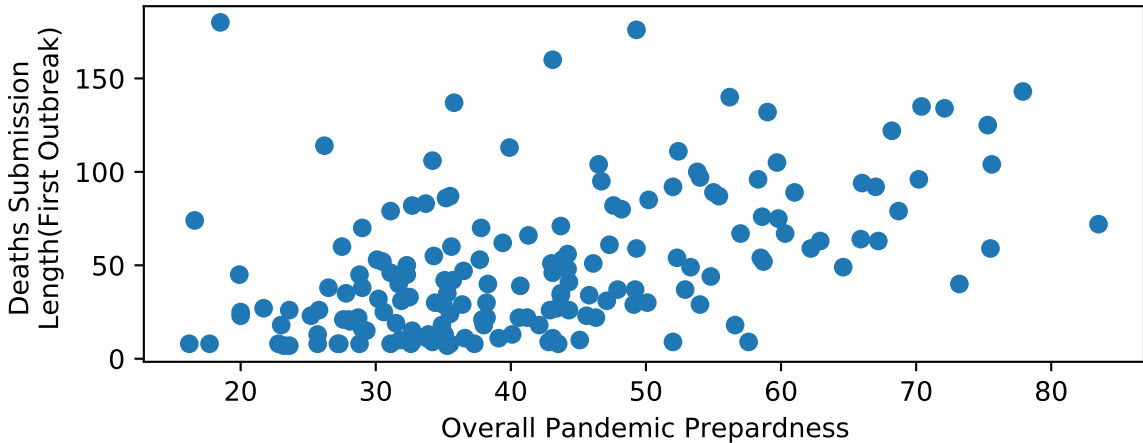
Shapiro-Wilk Test

Test	Score	P-Value
Shapiro-Wilk Test	0.999	0.999
Shapiro-Wilk Test (Normality)	0.999	0.999

Spearman Correlation Test

Output	Results	Outcome
Score	-0.246	Moderate
P-Value	0.001	Significant

Overall Pandemic Preparedness vs Deaths Submission Length(First Outbreak)



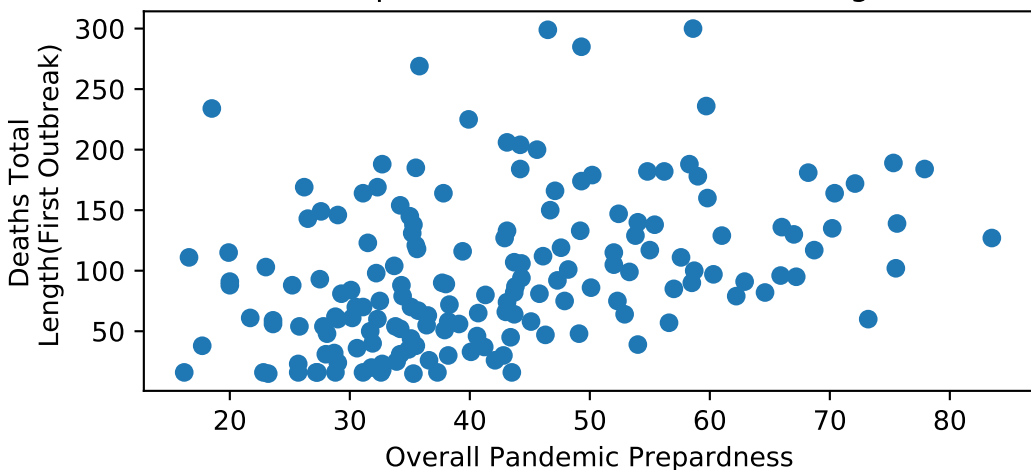
Shapiro-Wilk Test

Test	Score	P-Value
Shapiro-Wilk Test	0.999	0.0
Shapiro-Wilk Test (Logarithmic Outbreak)	0.999	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.508	Relatively Strong
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Deaths Total Length(First Outbreak)

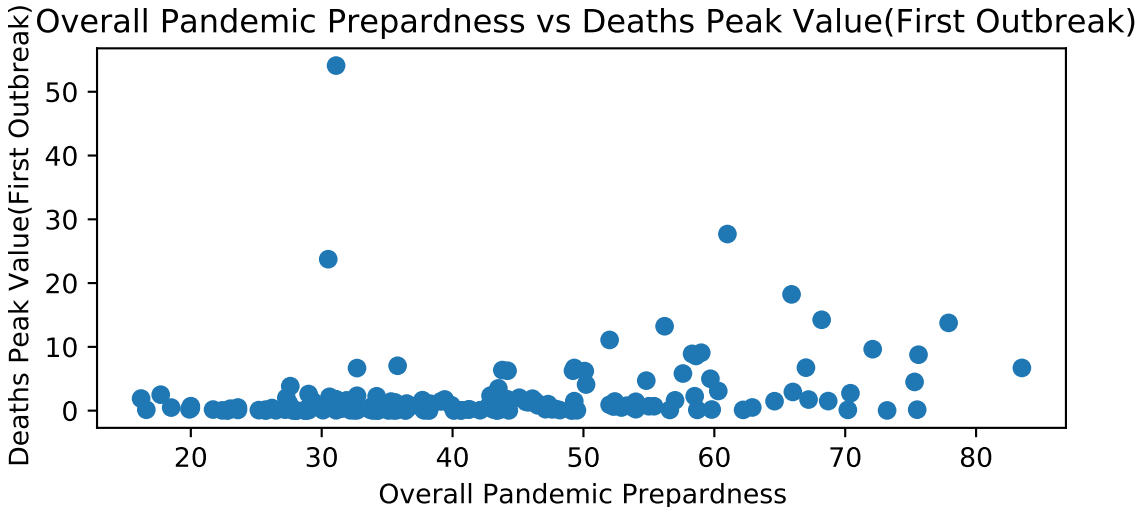


Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Total Length(First Outbreak)	0.926	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.435	Relatively Strong
P-Value	0.0	Significant



Shapiro-Wilk Test

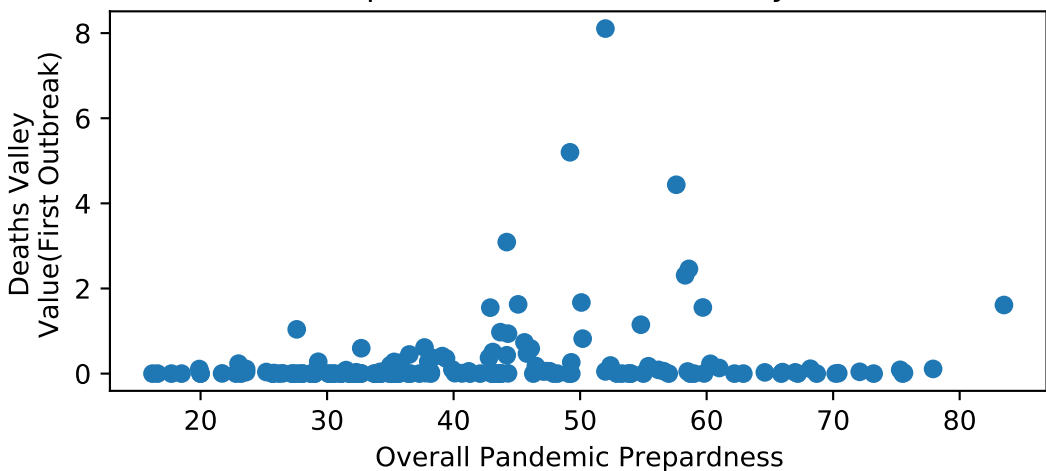
Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Peak Value(First Outbreak)	0.492	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.4	Relatively Strong
P-Value	0.0	Significant



# Overall Pandemic Preparedness vs Deaths Valley Value(First Outbreak)



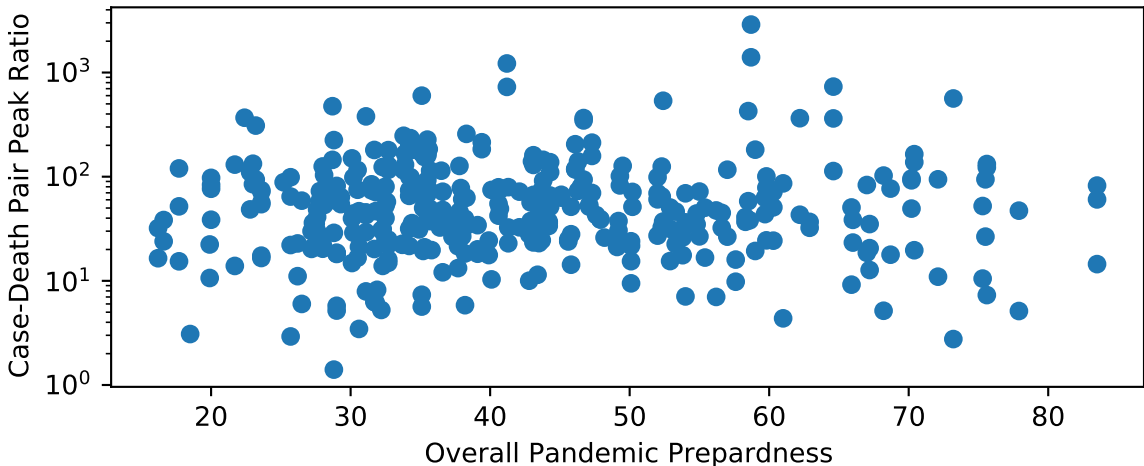
Shapiro-Wilk Test

Spearman Correlation Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Deaths Valley Value(First Outbreak)	0.339	0.0

Output	Results	Outcome
Score	0.32	Moderate
P-Value	0.0	Significant

# Overall Pandemic Preparedness vs Case-Death Pair Peak Ratio



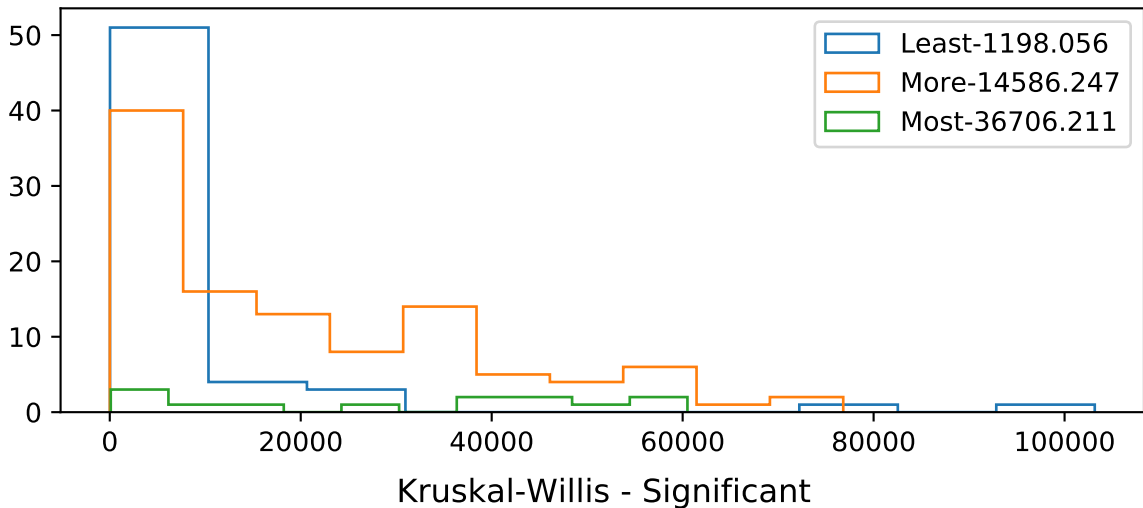
Shapiro-Wilk Test

Metric	Score	P-Value
Overall Pandemic Preparedness	0.958	0.0
Case-Death Pair Peak Ratio	0.324	0.0

Spearman Correlation Test

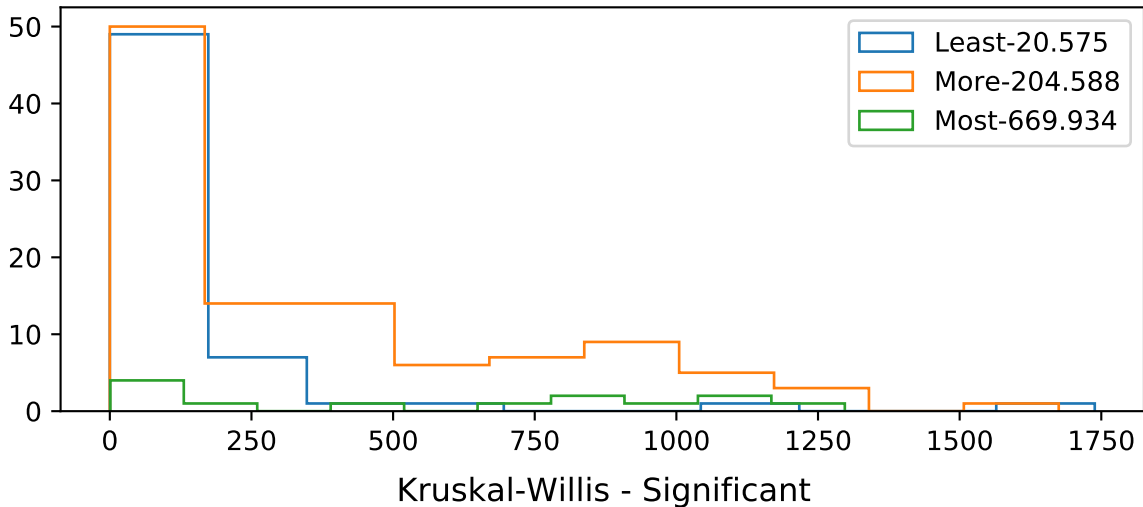
Output	Results	Outcome
Score	0.02	Negligible
P-Value	0.691	Not Significant

# Overall Preparedness vs Total Cases per Million



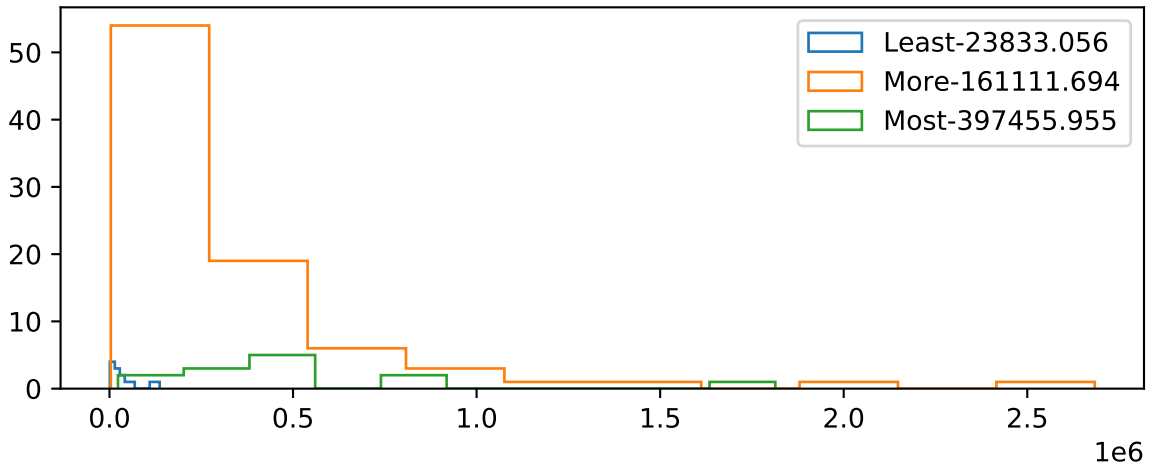
Source	ddof1	H	p-unc
Overall Preparedness	2	34.57485998928439	3.1057360775705084e-08

# Overall Preparedness vs Total Deaths per Million



Source	ddof1	H	p-unc
Overall Preparedness	2	32.191009692235326	1.0228479094890553e-07

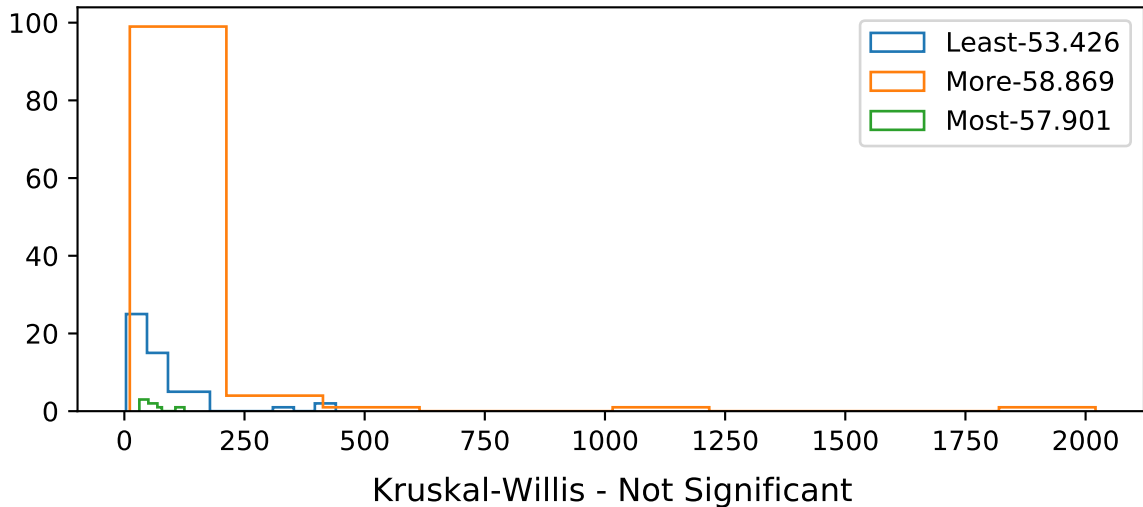
# Overall Preparedness vs Total Tests per Million



Kruskal-Willis - Significant

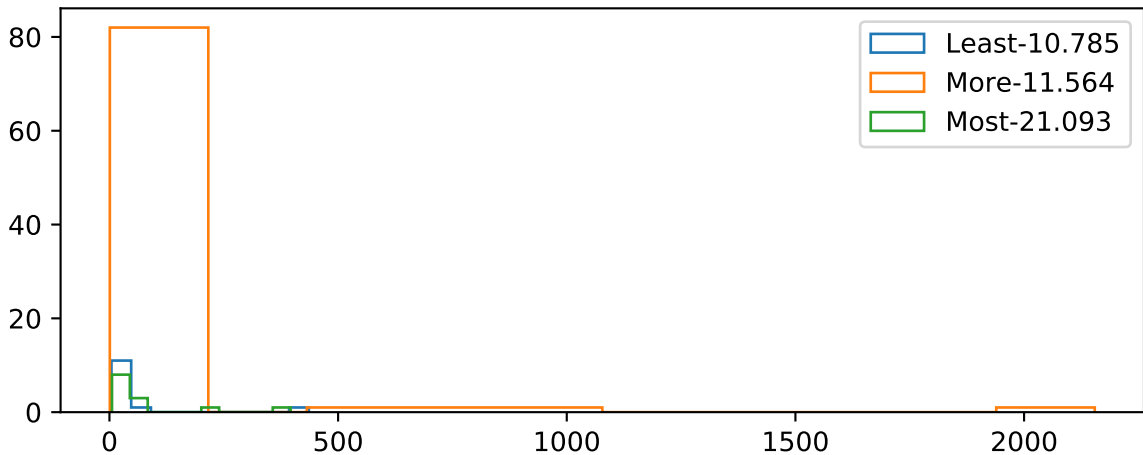
Source	ddof1	H	p-unc
Overall Preparedness	2	21.012520382478158	2.7364604363228697e-05

# Overall Preparedness vs Case-Death Ratio



Source	ddof1	H	p-unc
Overall Preparedness	2	1.312996015390695	0.5186645169101121

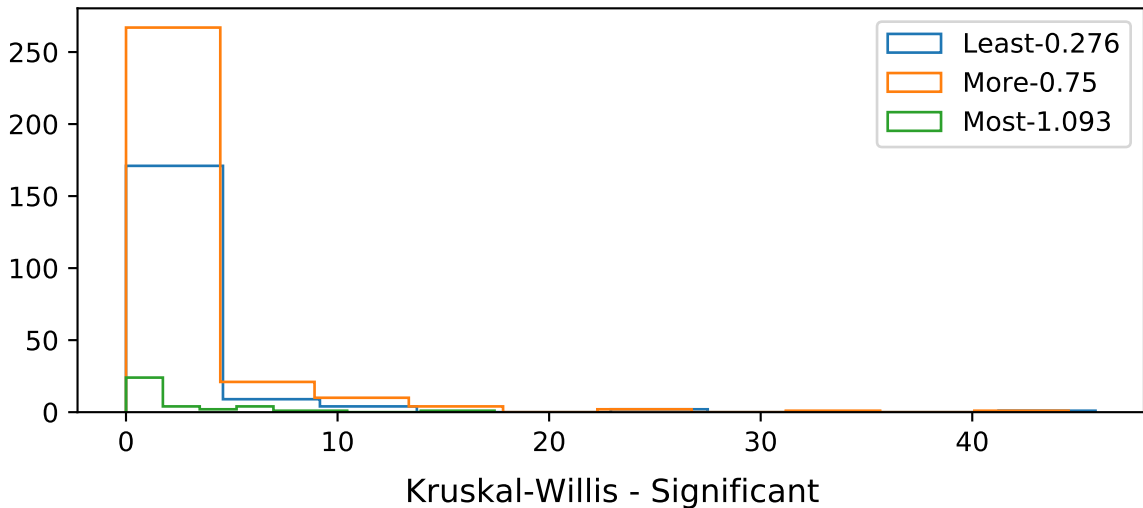
# Overall Prepardness vs Test-Case Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Overall Prepardness	2	2.9410508199353558	0.229804711775539

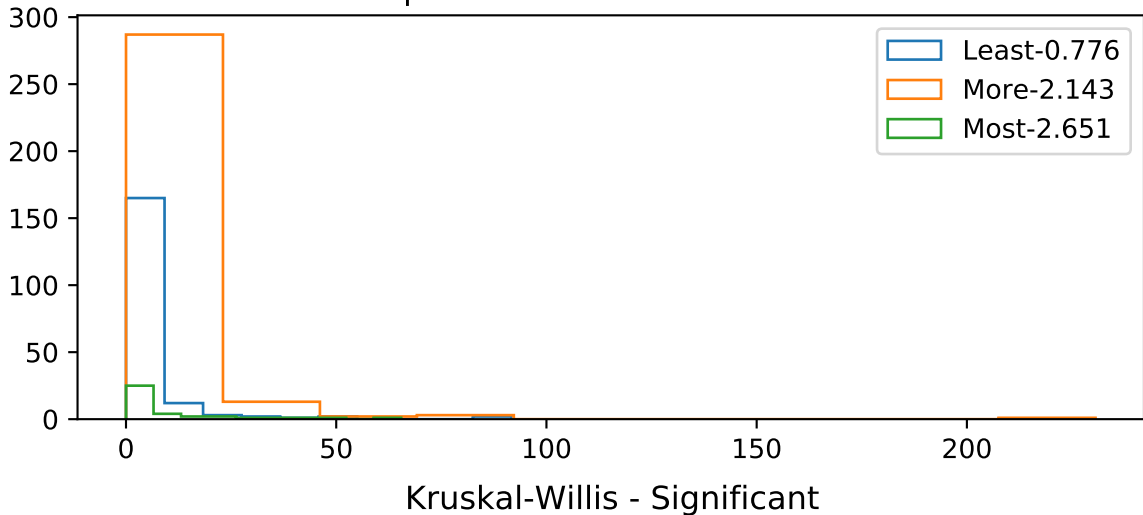
# Overall Preparedness vs Cases Avg. Growth Rate



Source	ddof1	H	p-unc
x	2	28.216861598108608	7.460816449829445e-07

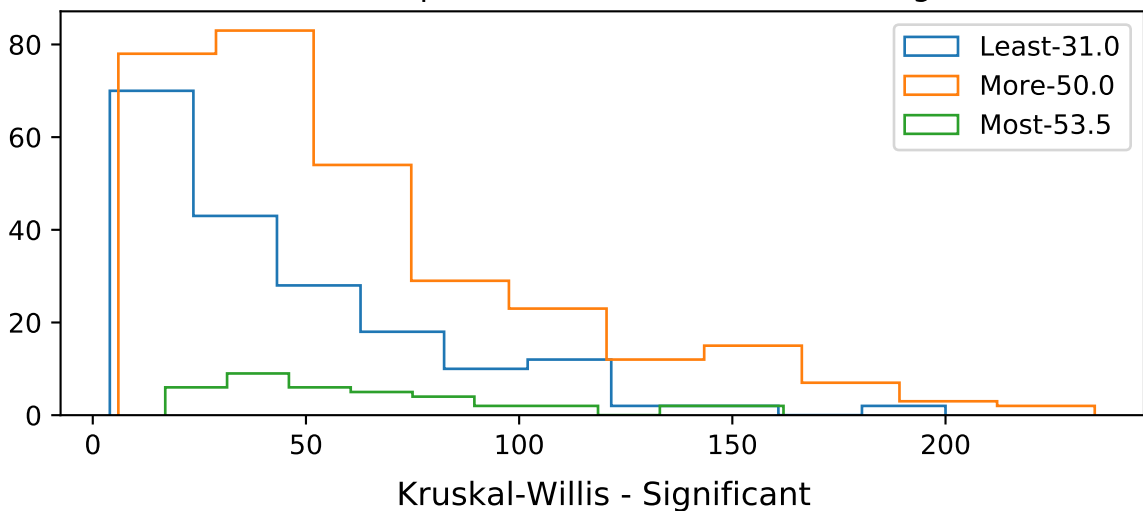


# Overall Preparedness vs Cases Max. Growth Rate



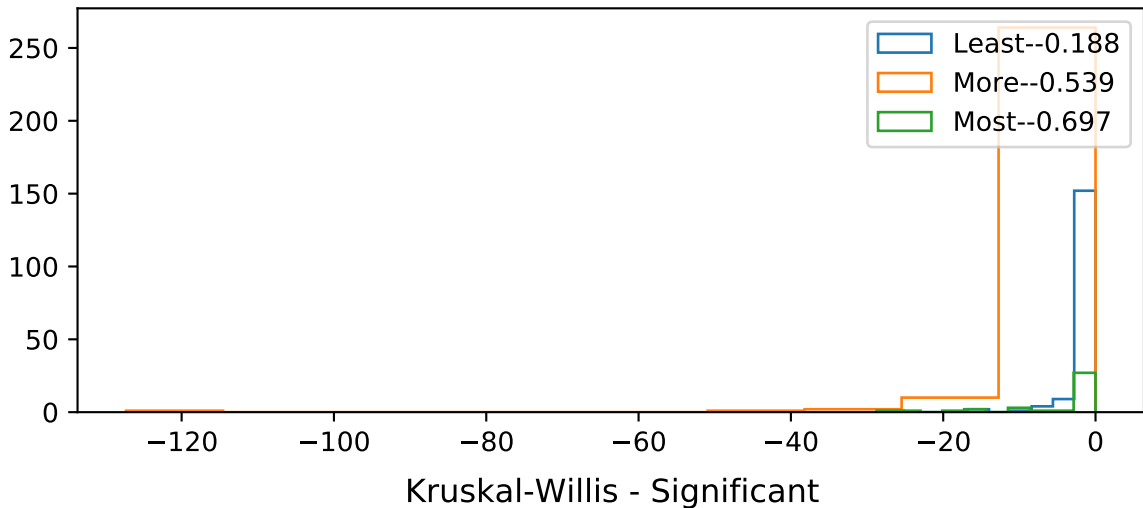
Source	ddof1	H	p-unc
x	2	24.606985219800663	4.5358747248421535e-06

# Overall Preparedness vs Cases Growth Length



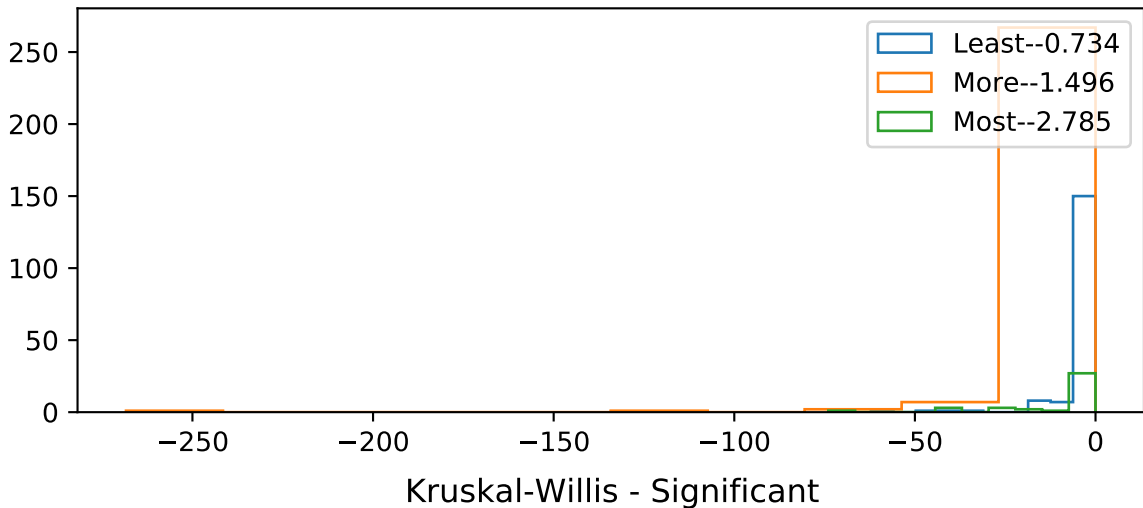
Source	ddof1	H	p-unc
x	2	30.169694503459493	2.810179609370888e-07

# Overall Preparedness vs Cases Avg. Submission Rate



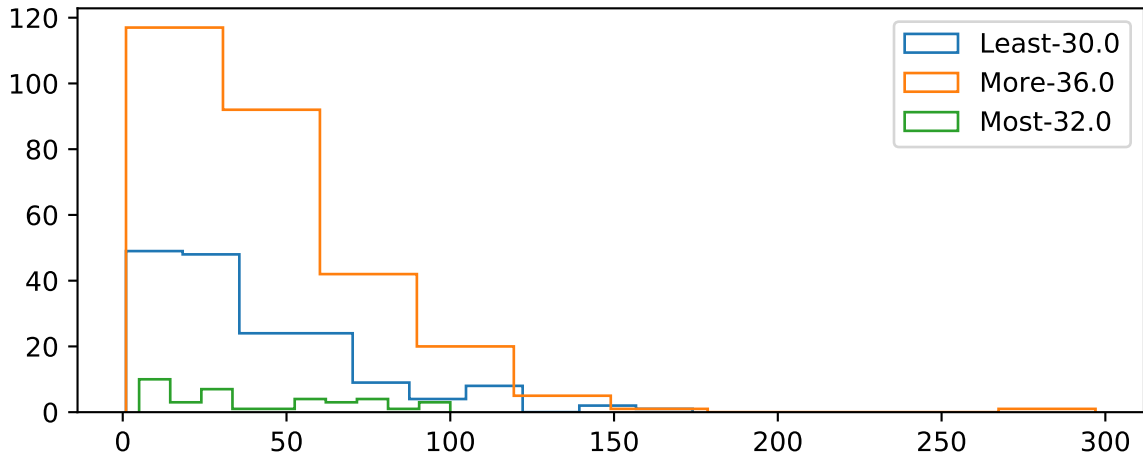
Source	ddof1	H	p-unc
x	2	23.05748586141728	9.843069734049082e-06

# Overall Preparedness vs Cases Max. Submission Rate



Source	ddof1	H	p-unc
x	2	17.12119189526878	0.0001915051325960895

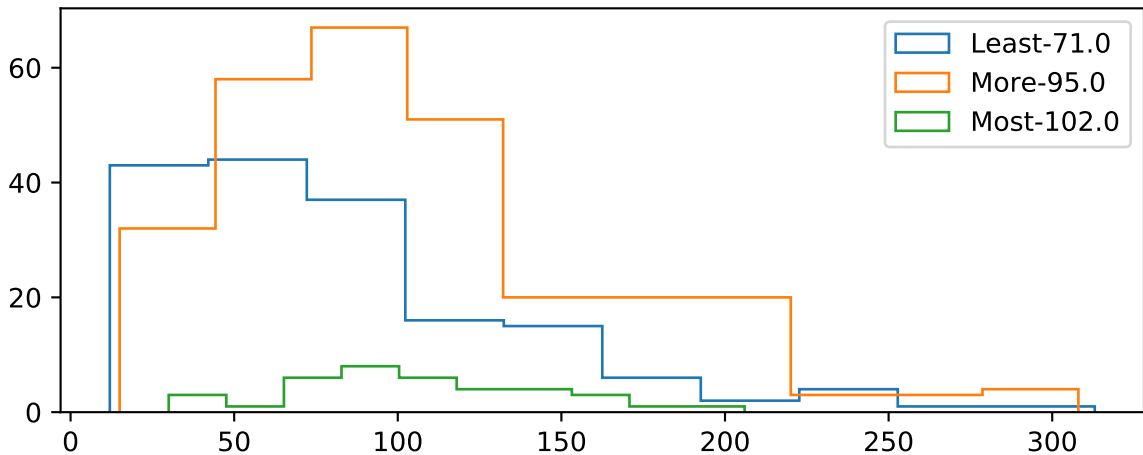
# Overall Preparedness vs Cases Submission Length



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	3.906406295892619	0.14181907578475947

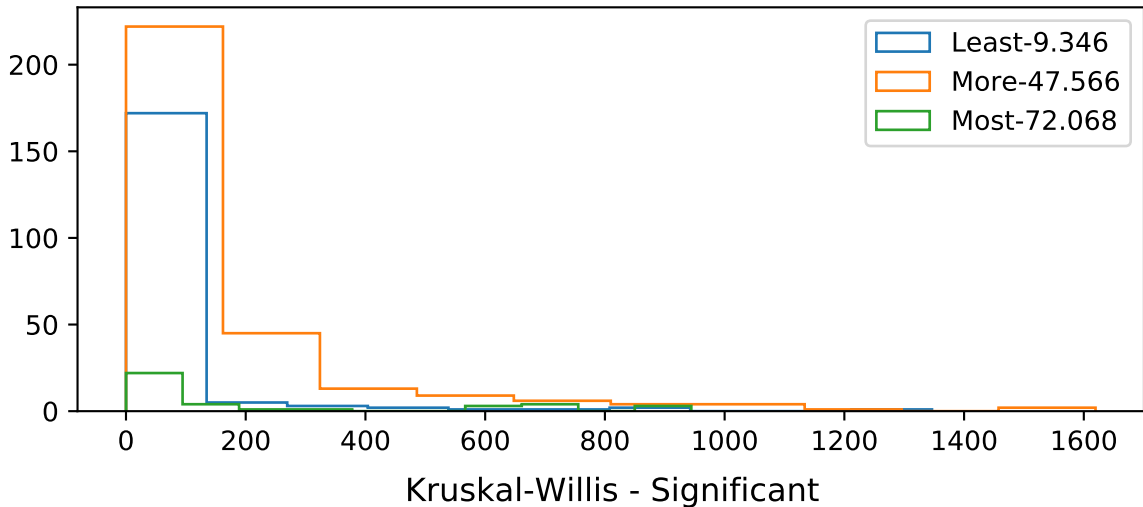
# Overall Preparedness vs Cases Total Length



Kruskal-Willis - Significant

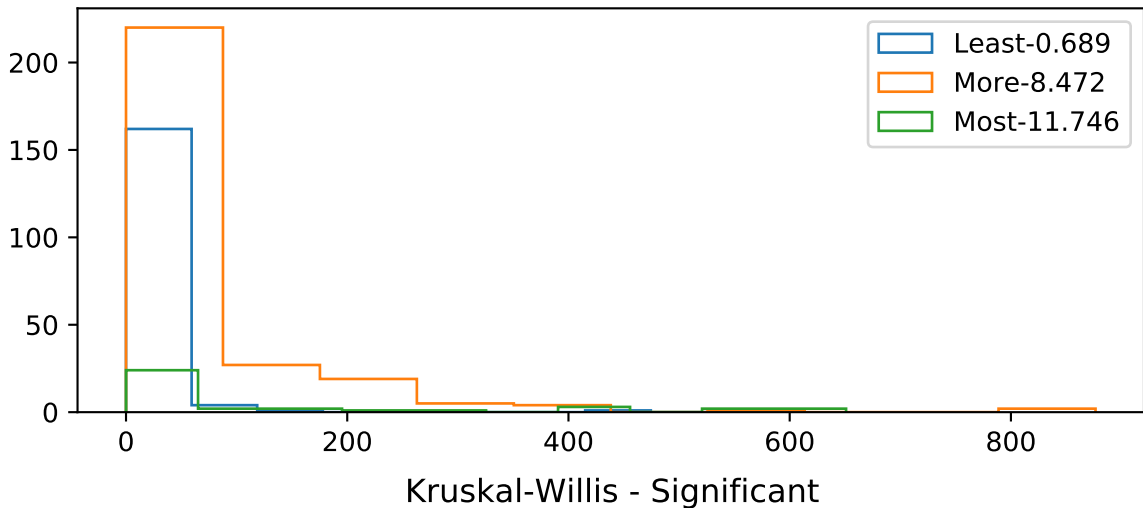
Source	ddof1	H	p-unc
x	2	26.561522332129655	1.707020395506597e-06

Overall Preparedness vs Cases Peak Value



Source	ddof1	H	p-unc
x	2	51.39205508604937	6.92399955402449e-12

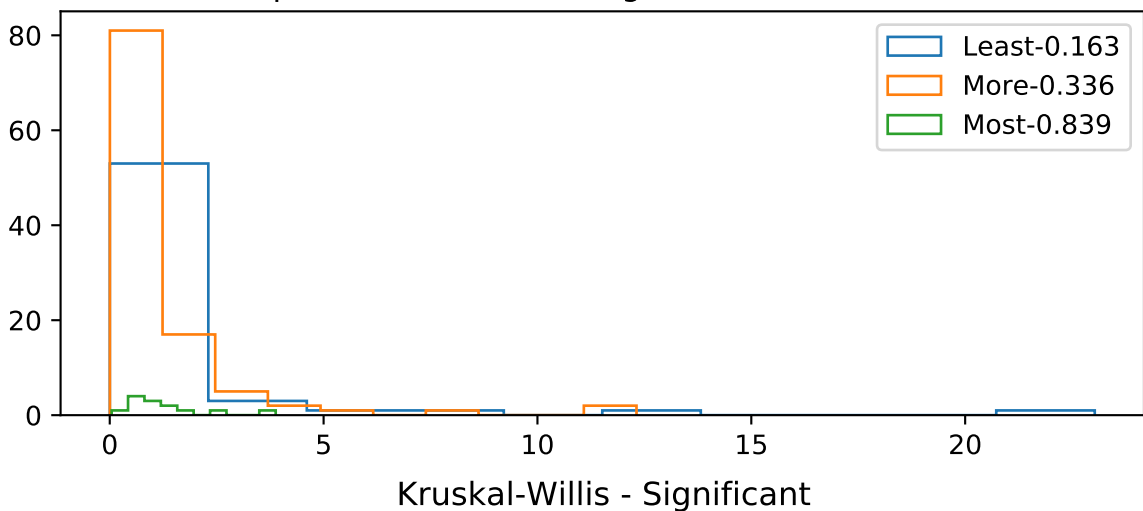
# Overall Preparedness vs Cases Valley Value



Source	ddof1	H	p-unc
x	2	61.93369988646053	3.558508009940525e-14

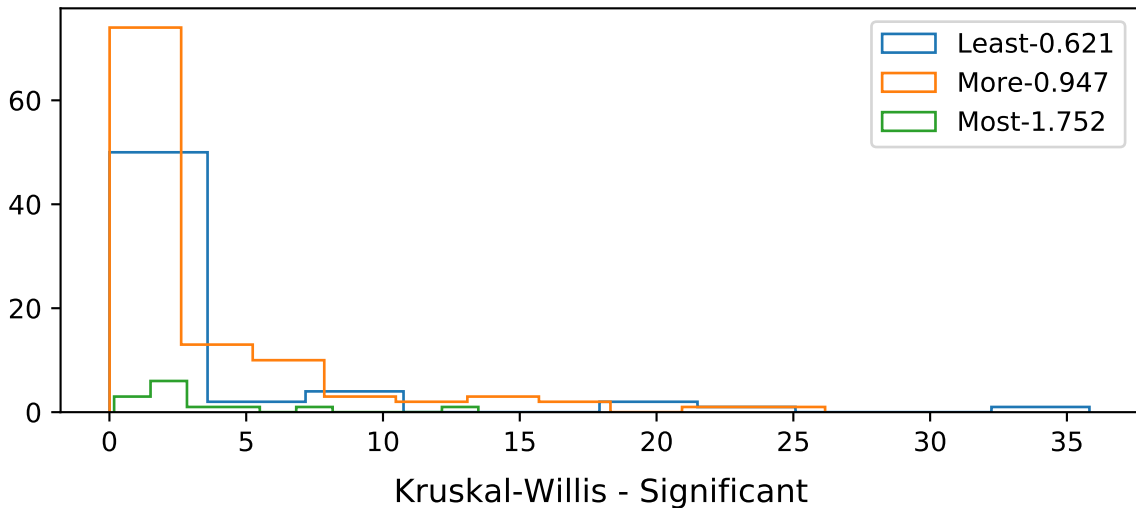


# Overall Preparedness vs Cases Avg. Growth Rate(First Outbreak)



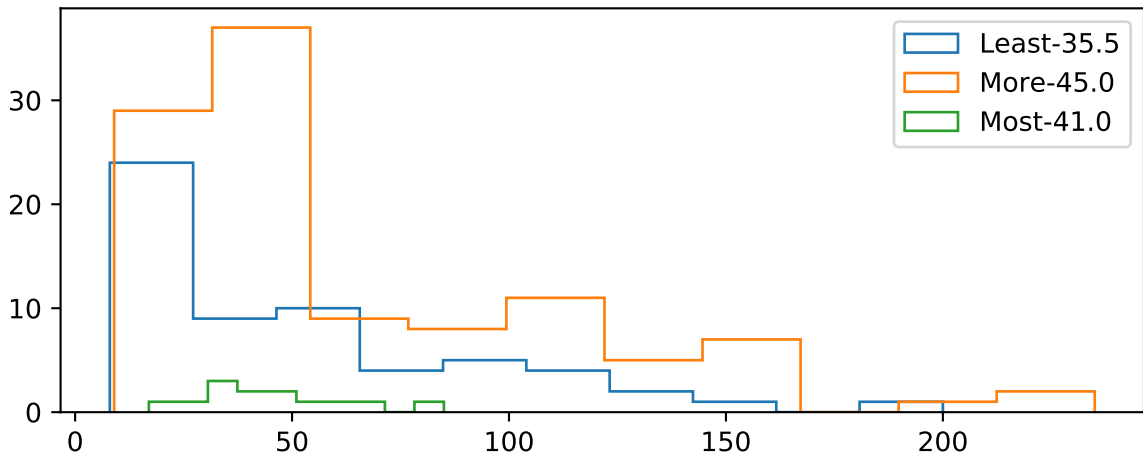
Source	ddof1	H	p-unc
Overall Preparedness	2	8.14179421197366	0.017062075149894704

# Overall Preparedness vs Cases Max. Growth Rate(First Outbreak)



Source	ddof1	H	p-unc
Overall Preparedness	2	6.309835612132019	0.04264190575460276

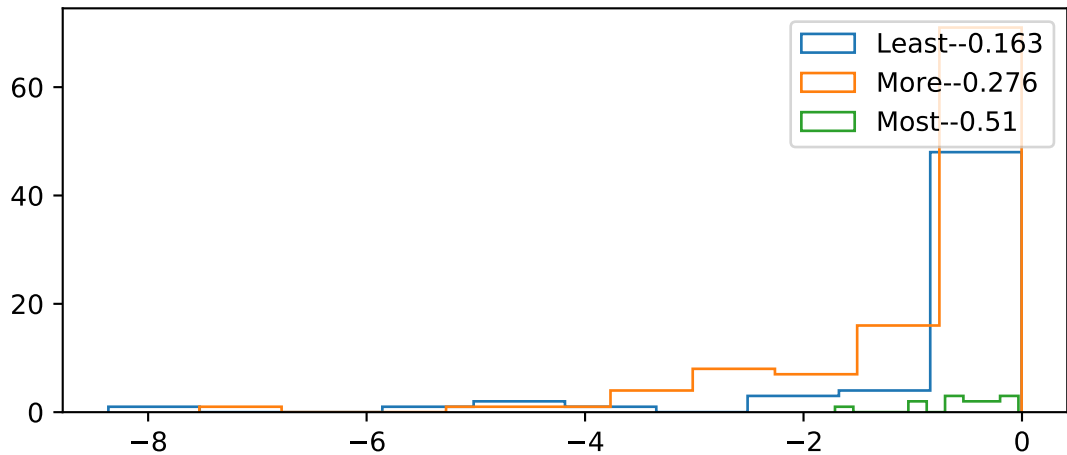
# Overall Preparedness vs Cases Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Overall Preparedness	2	3.1963792110708726	0.20226236139375806

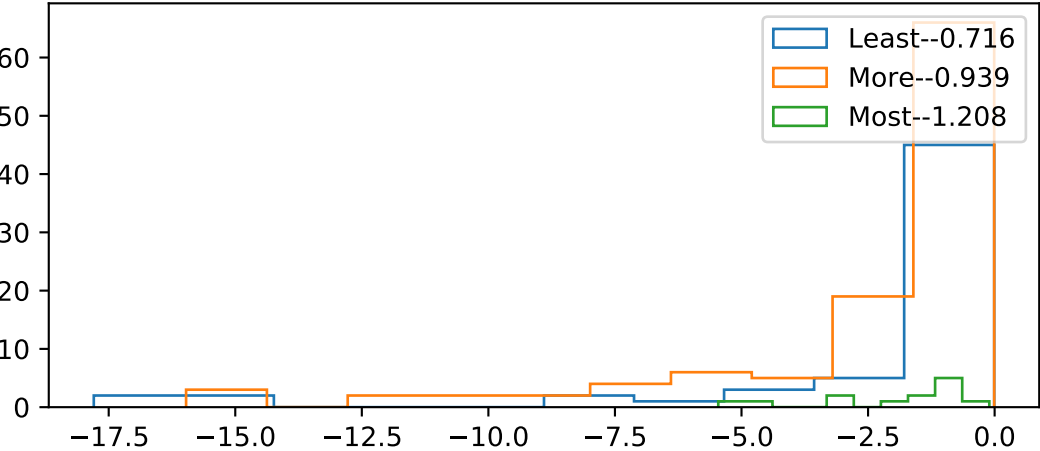
# Overall Preparedness vs Cases Avg. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Overall Preparedness	2	3.7072267502118166	0.15667003469783924

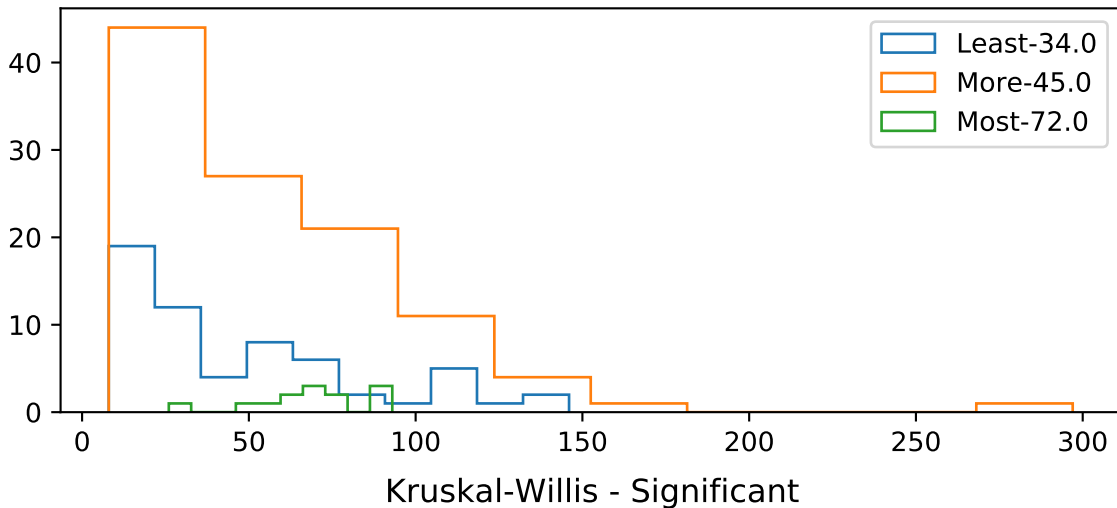
Overall Preparedness vs Cases Max. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

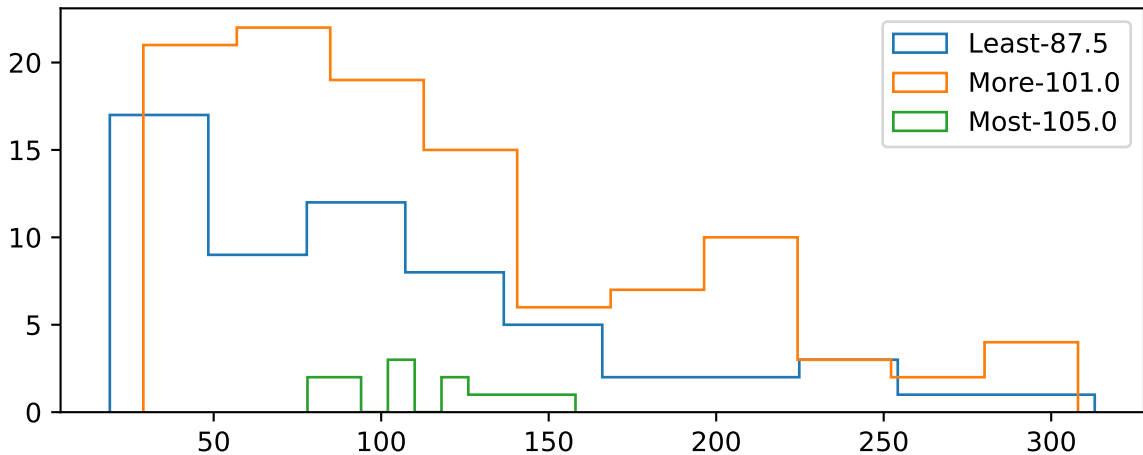
Source	ddof1	H	p-unc
Overall Preparedness	2	3.2249050135013704	0.19939798900206132

# Overall Preparedness vs Cases Submission Length(First Outbreak)



Source	ddof1	H	p-unc
Overall Preparedness	2	8.21064331270173	0.016484715572037168

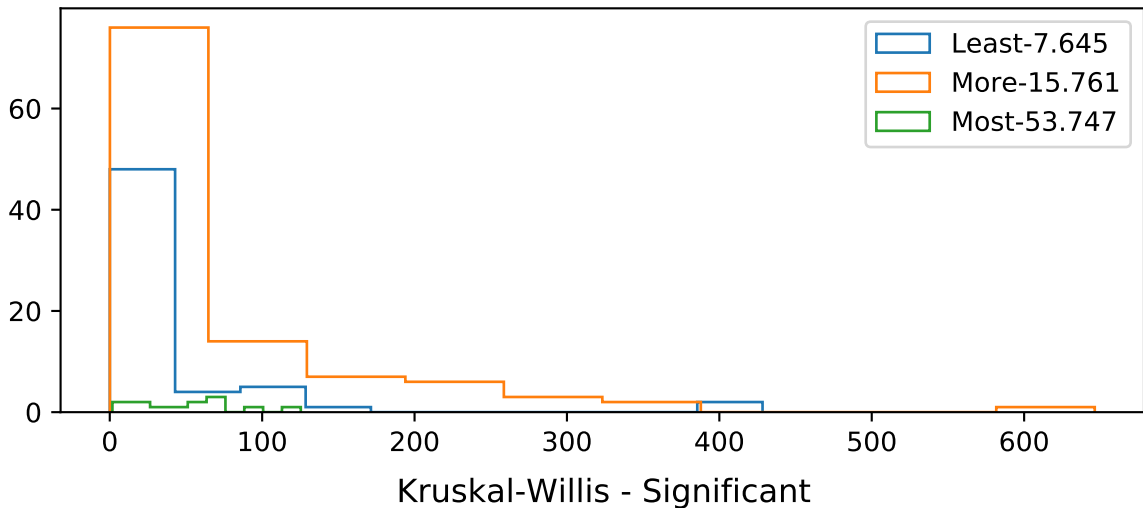
# Overall Preparedness vs Cases Total Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Overall Preparedness	2	4.936909497542974	0.08471566489680742

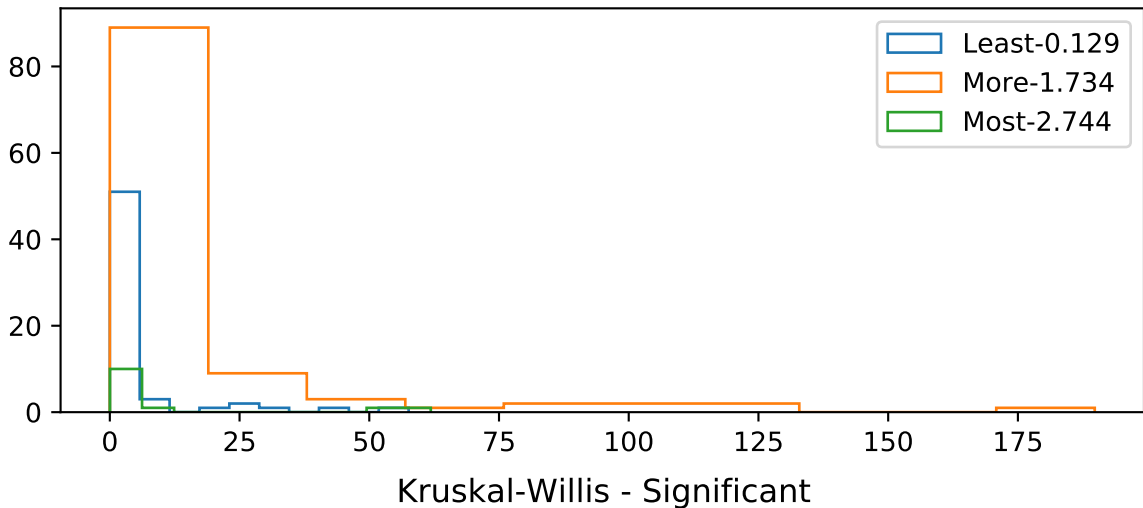
# Overall Preparedness vs Cases Peak Value(First Outbreak)



Source	ddof1	H	p-unc
Overall Preparedness	2	9.113627558507687	0.010495446534551707

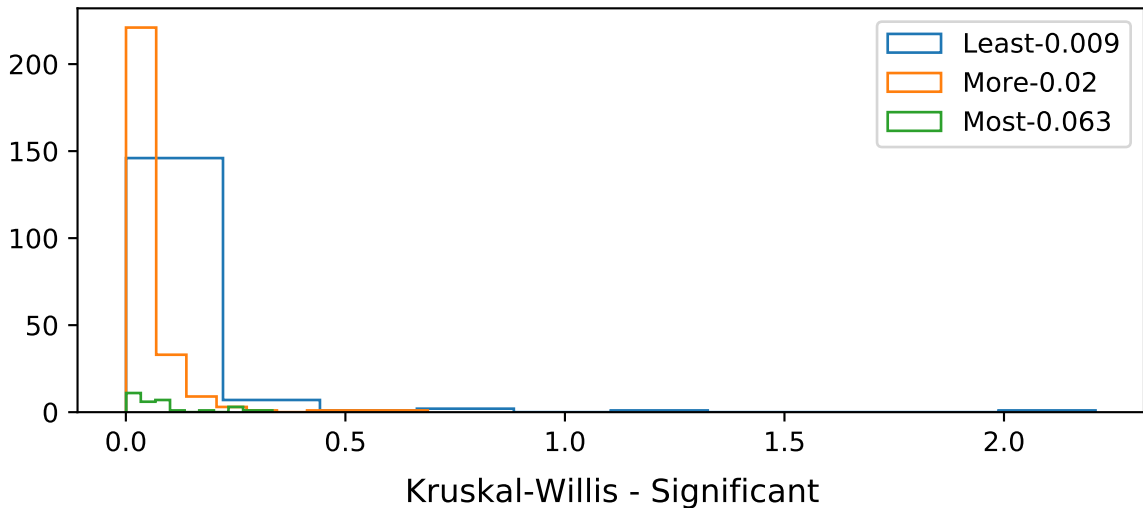


# Overall Preparedness vs Cases Valley Value(First Outbreak)



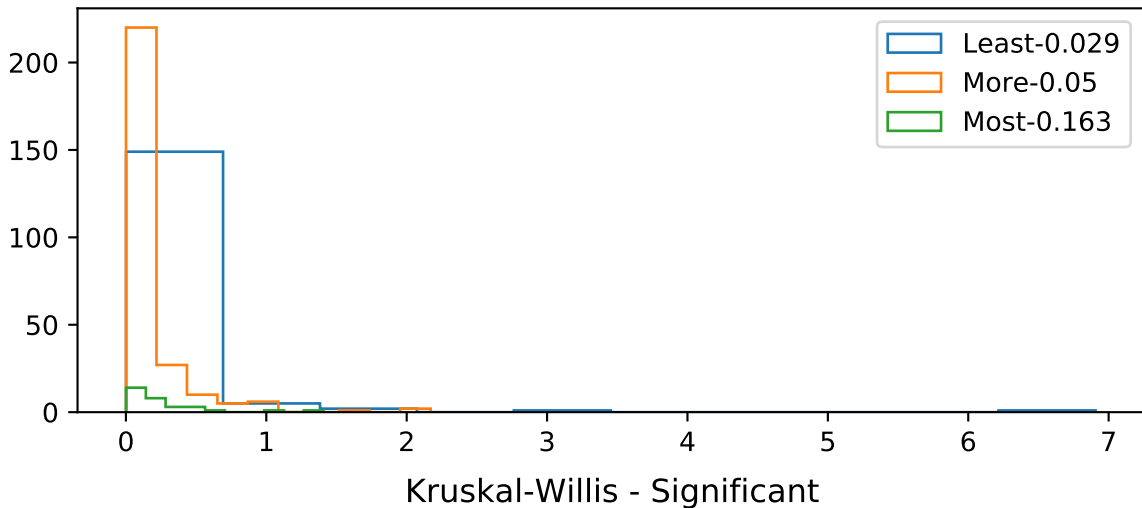
Source	ddof1	H	p-unc
Overall Preparedness	2	15.753375742021076	0.0003794878903930097

# Overall Preparedness vs Deaths Avg. Growth Rate



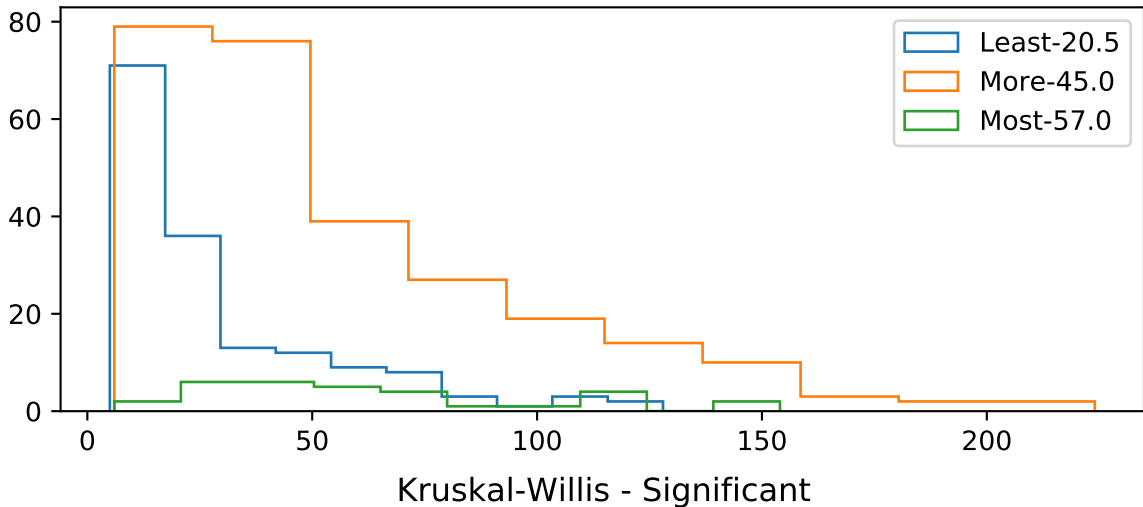
Source	ddof1	H	p-unc
x	2	12.709367120715076	0.0017385852688381472

# Overall Preparedness vs Deaths Max. Growth Rate



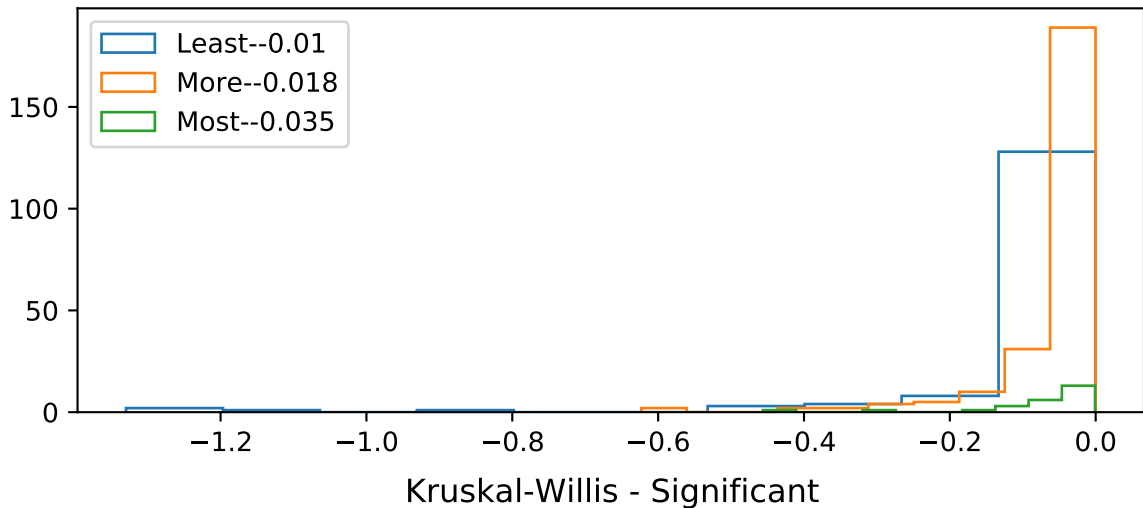
Source	ddof1	H	p-unc
x	2	15.068638014311372	0.0005344250792249014

# Overall Preparedness vs Deaths Growth Length



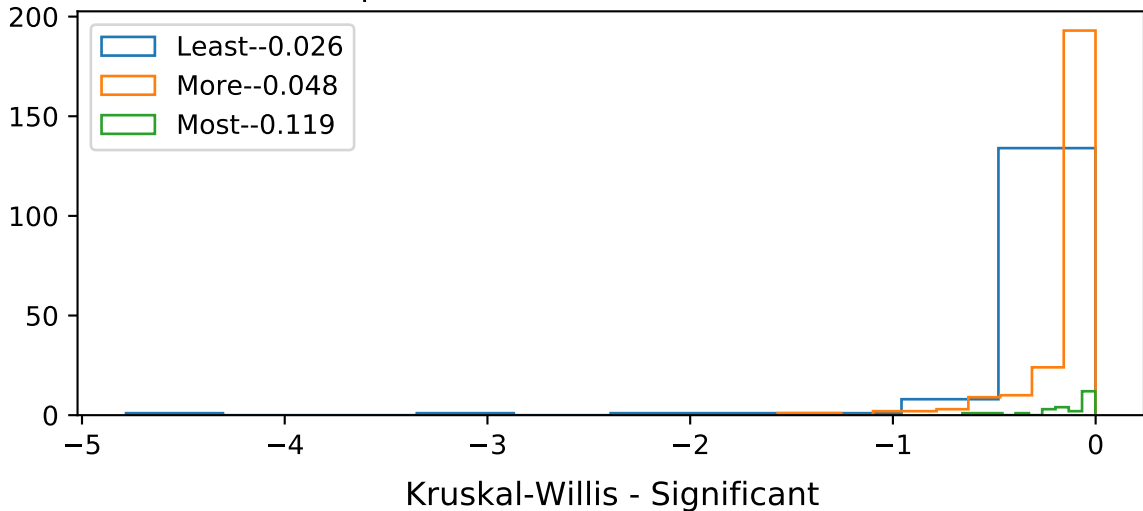
Source	ddof1	H	p-unc
x	2	70.822461854682	4.1792448008621276e-16

# Overall Preparedness vs Deaths Avg. Submission Rate



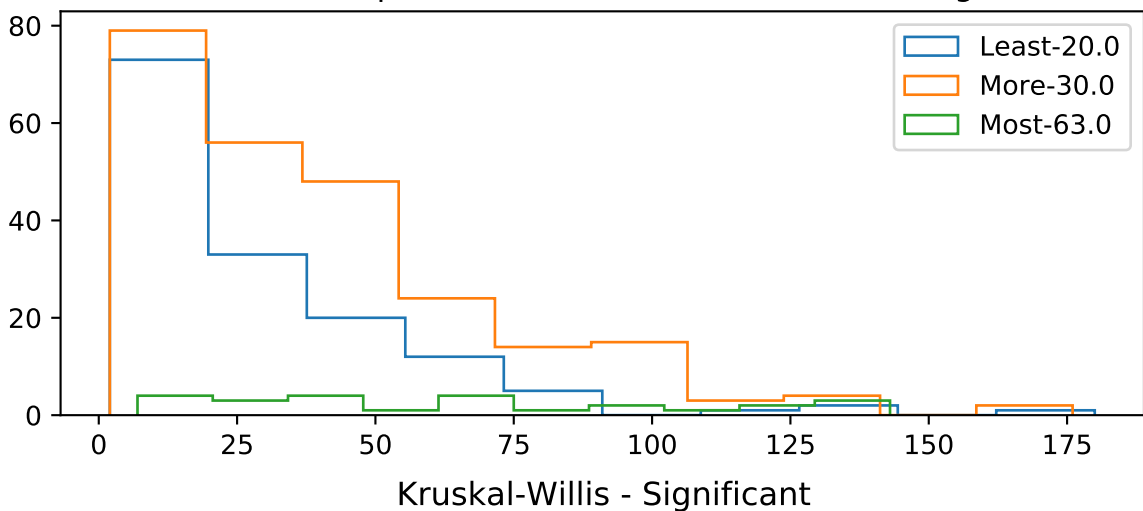
Source	ddof1	H	p-unc
x	2	8.238618602812684	0.016255738380962823

# Overall Preparedness vs Deaths Max. Submission Rate



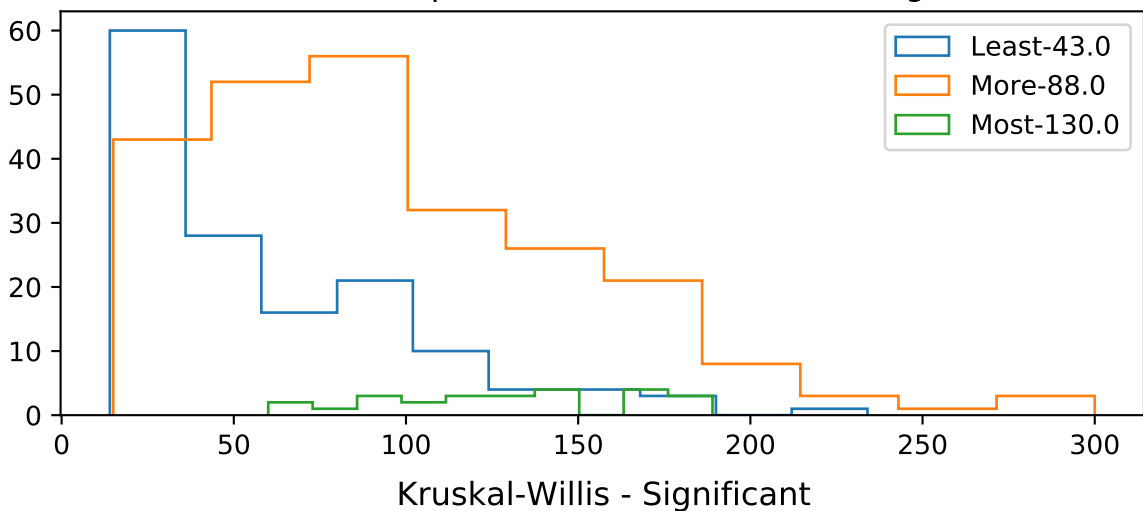
Source	ddof1	H	p-unc
x	2	8.565294147278692	0.013806067995566607

# Overall Preparedness vs Deaths Submission Length



Source	ddof1	H	p-unc
x	2	27.229918033035254	1.2220765982126207e-06

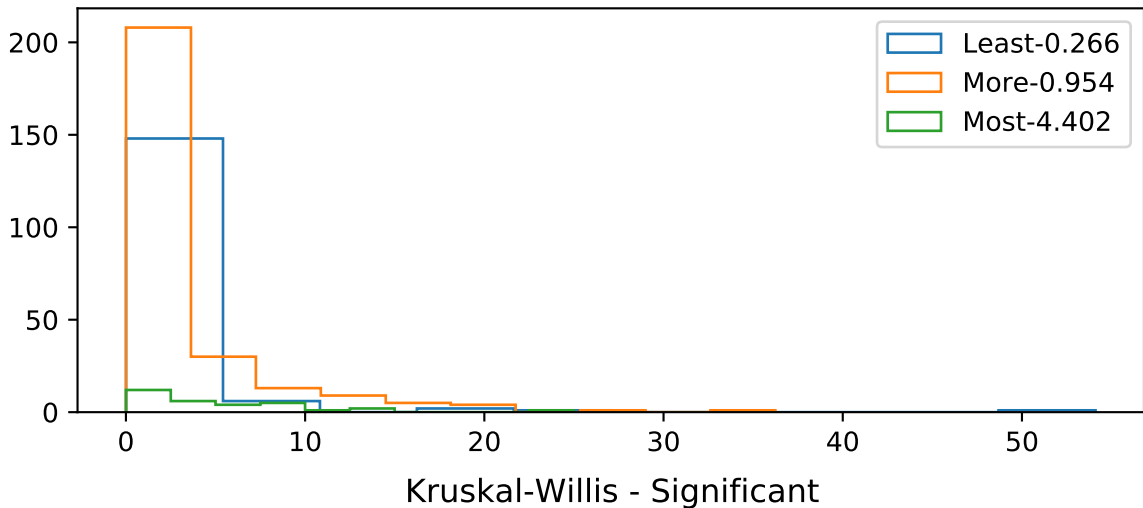
# Overall Preparedness vs Deaths Total Length



Source	ddof1	H	p-unc
x	2	73.27633920566204	1.2253075639233252e-16

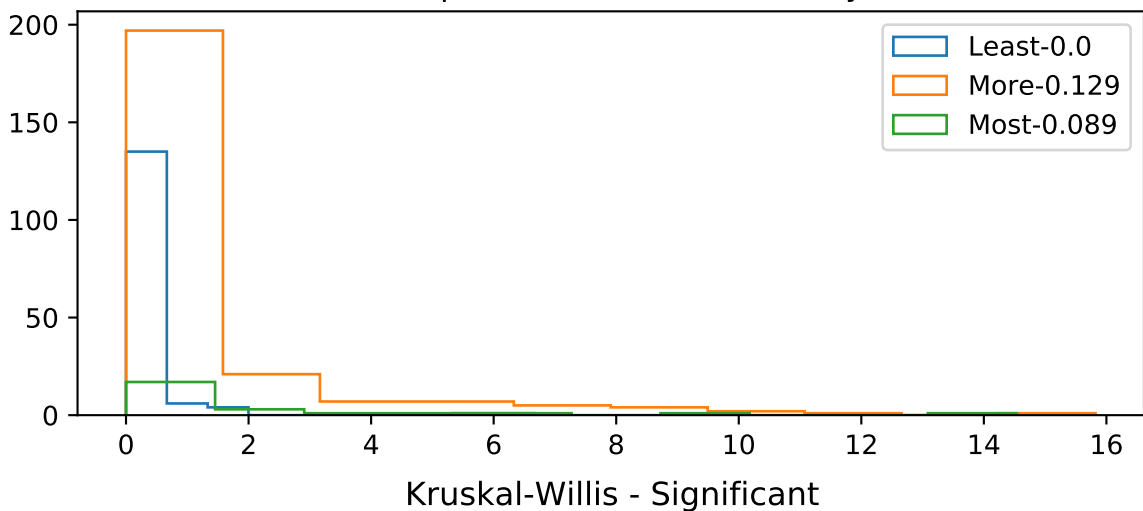


# Overall Preparedness vs Deaths Peak Value



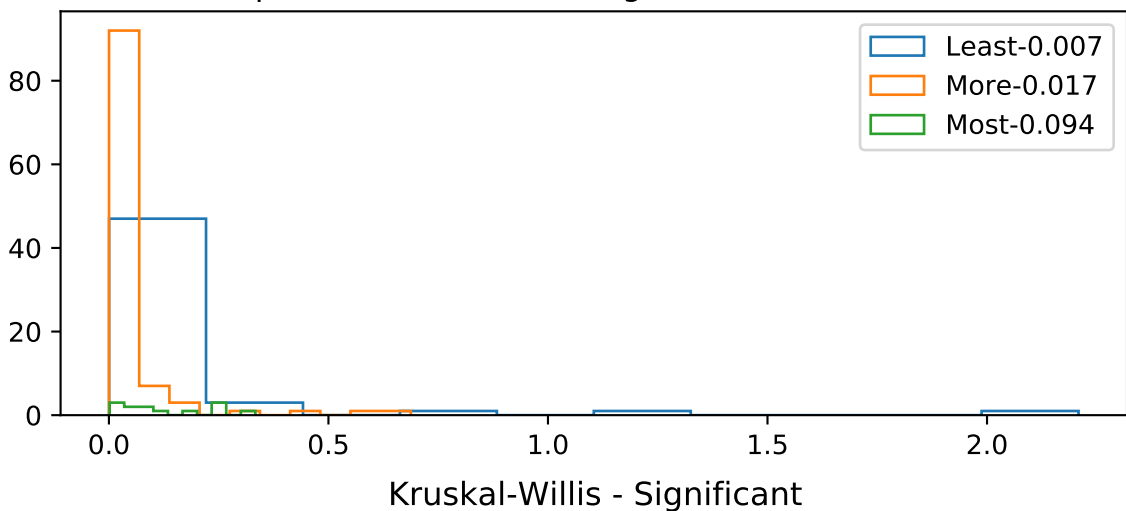
Source	ddof1	H	p-unc
x	2	43.02560619068522	4.5405485674914316e-10

# Overall Preparedness vs Deaths Valley Value



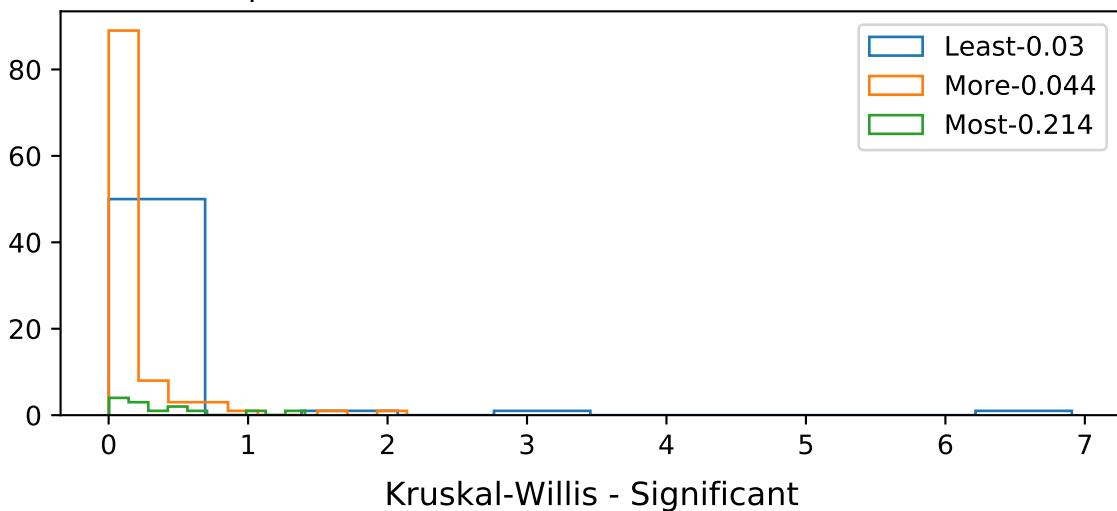
Source	ddof1	H	p-unc
x	2	53.230284960374874	2.7617889381072704e-12

# Overall Preparedness vs Deaths Avg. Growth Rate(First Outbreak)



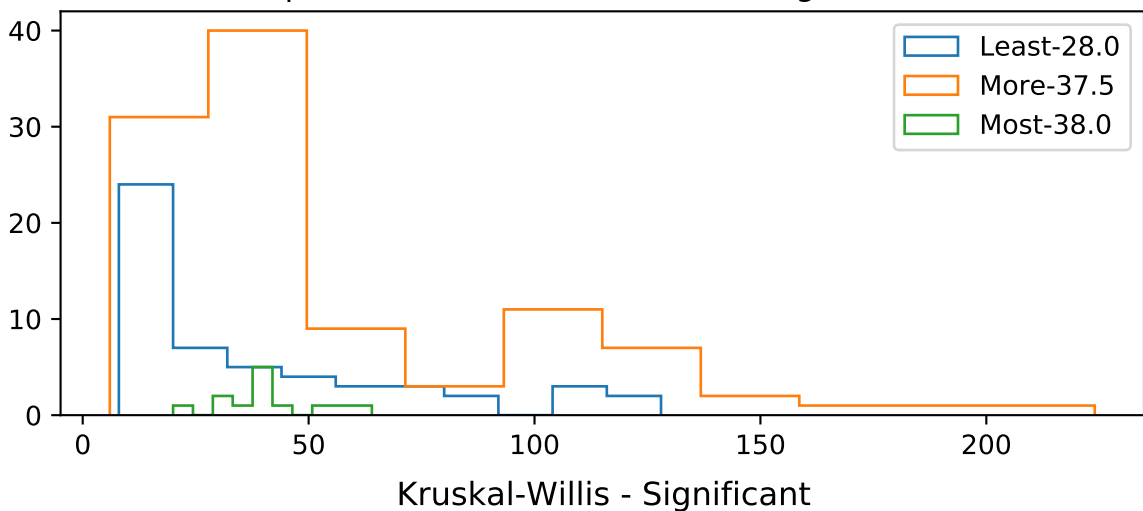
Source	ddof1	H	p-unc
Overall Preparedness	2	9.76782289861751	0.007567356731627314

Overall Preparedness vs Deaths Max. Growth Rate(First Outbreak)



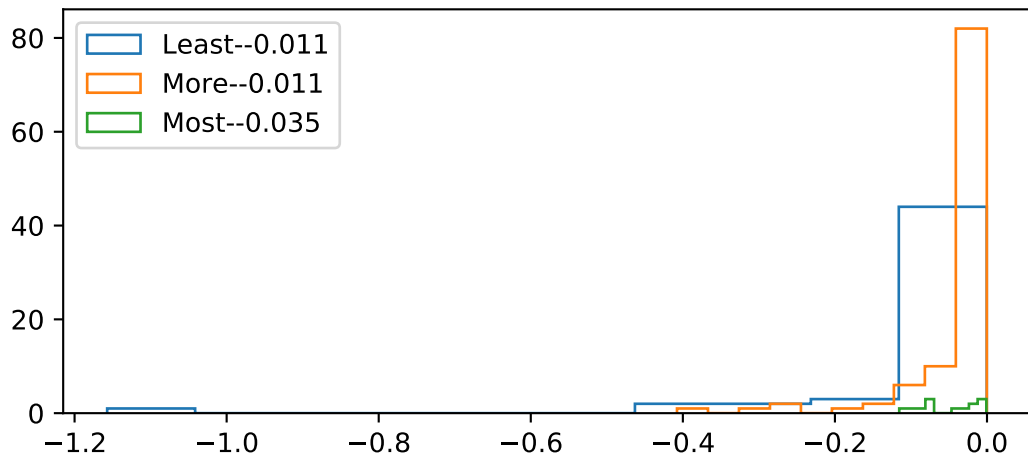
Source	ddof1	H	p-unc
Overall Preparedness	2	8.840230585637869	0.012032844904139006

# Overall Preparedness vs Deaths Growth Length(First Outbreak)



Source	ddof1	H	p-unc
Overall Preparedness	2	8.498608552416975	0.014274161328868105

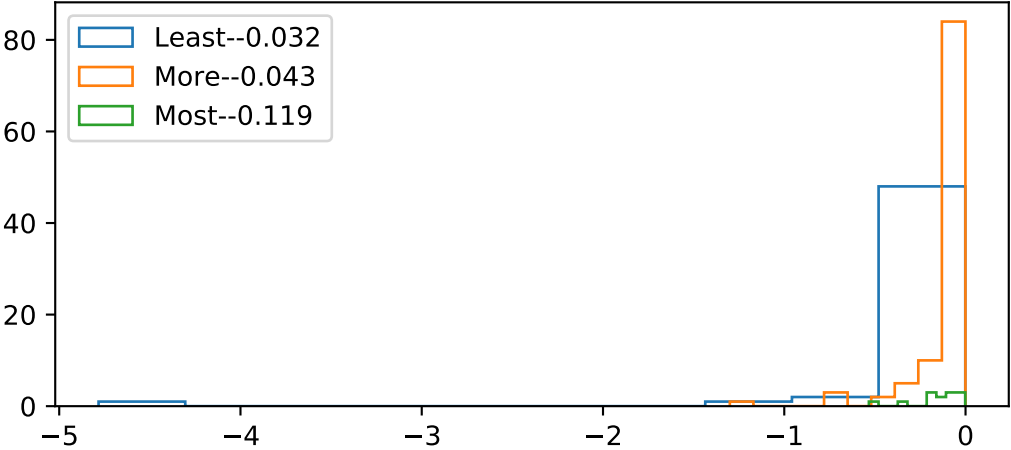
# Overall Preparedness vs Deaths Avg. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Overall Preparedness	2	2.990807864306362	0.22415804180064963

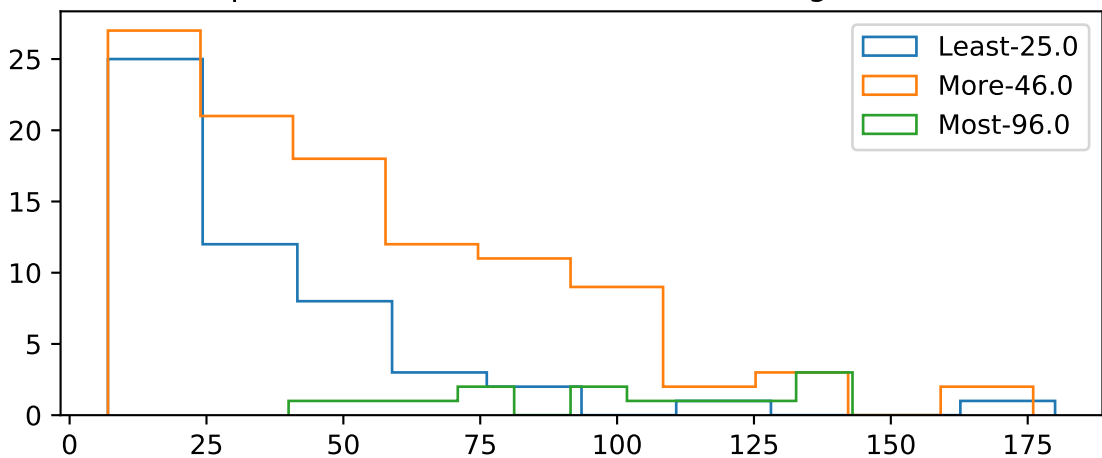
# Overall Preparedness vs Deaths Max. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Overall Preparedness	2	3.921977417147673	0.14071922181759627

# Overall Preparedness vs Deaths Submission Length(First Outbreak)

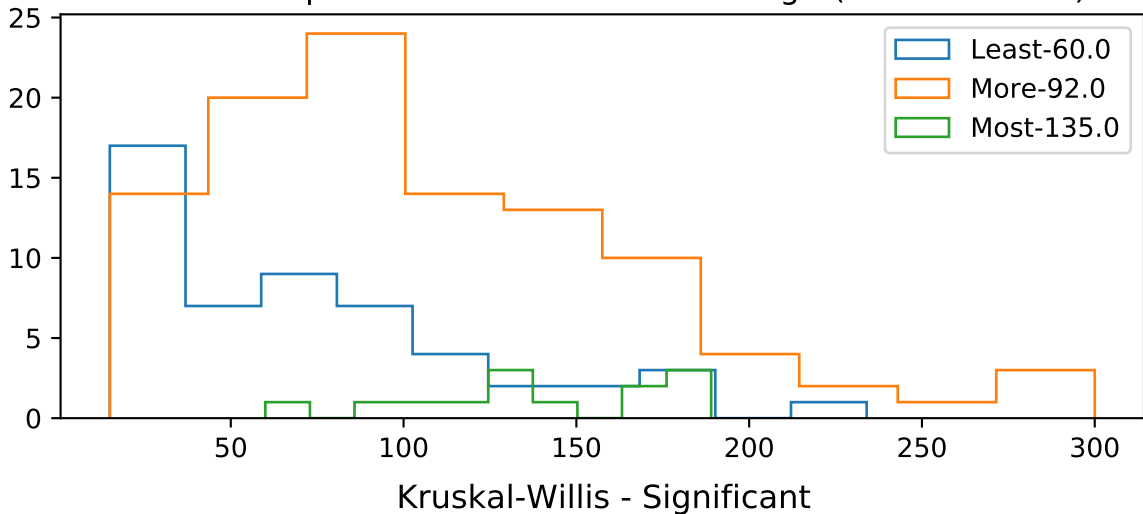


Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Overall Preparedness	2	30.87570743890258	1.974355333215934e-07

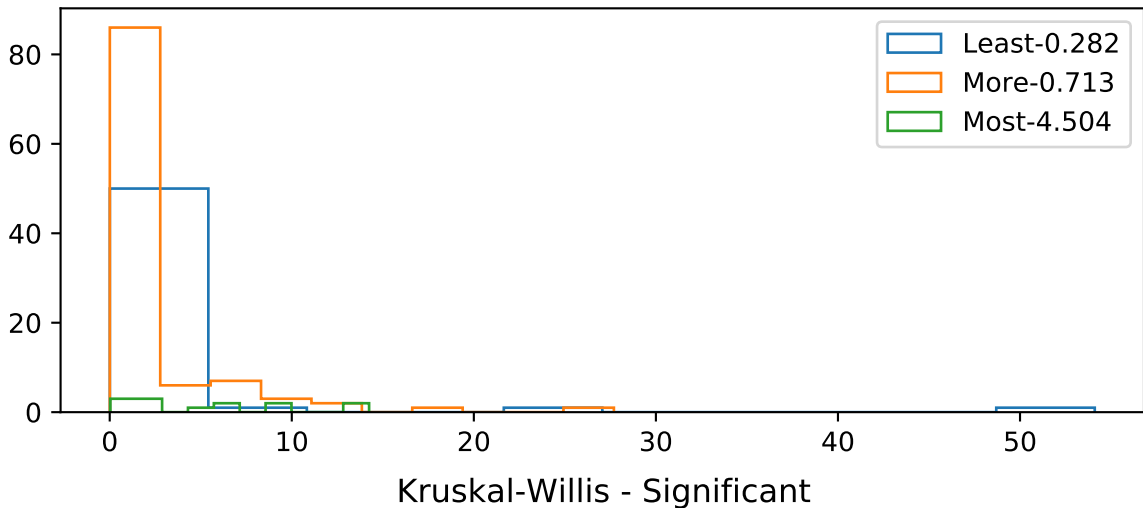


# Overall Preparedness vs Deaths Total Length(First Outbreak)



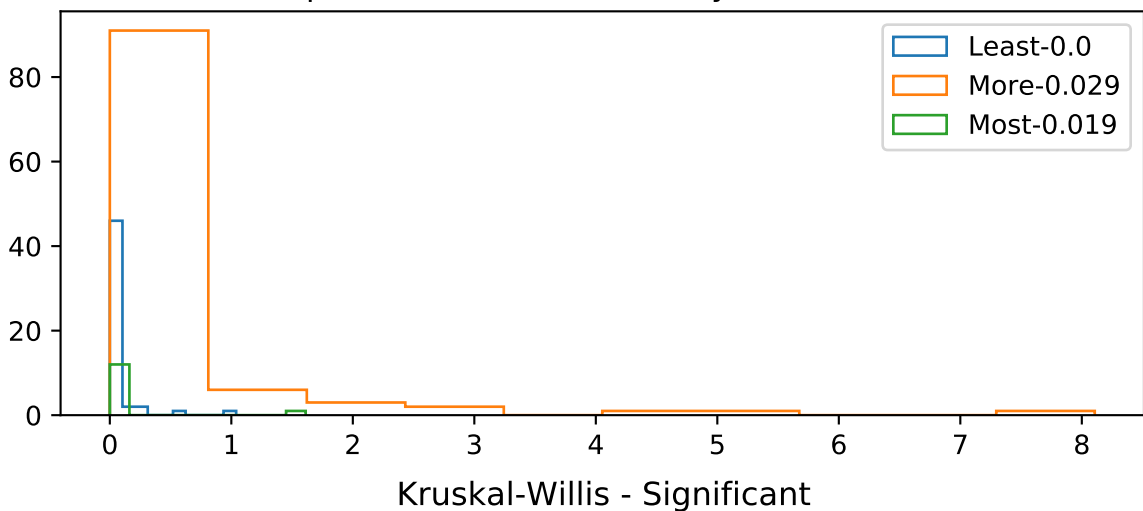
Source	ddof1	H	p-unc
Overall Preparedness	2	21.856277919339668	1.794607805483546e-05

Overall Preparedness vs Deaths Peak Value(First Outbreak)



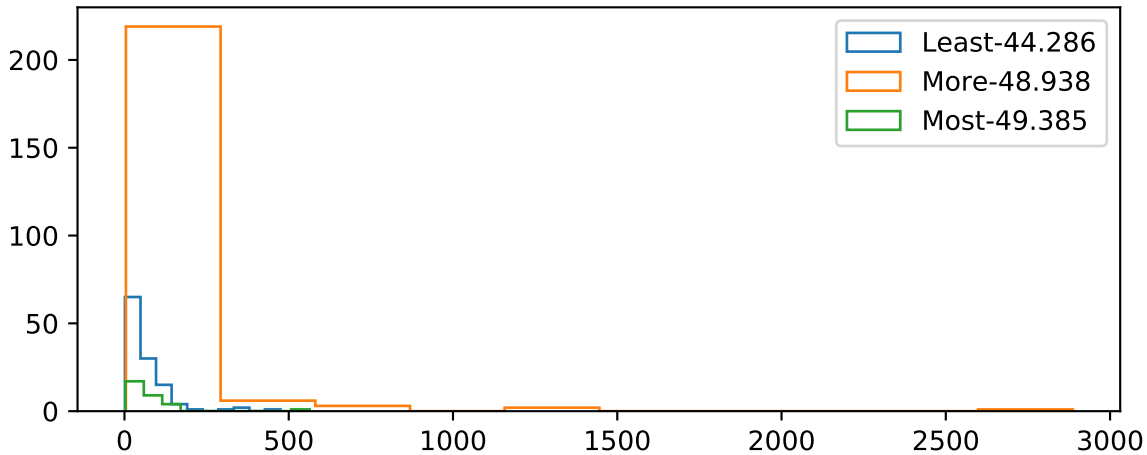
Source	ddof1	H	p-unc
Overall Preparedness	2	13.283647297975108	0.0013046458569932924

# Overall Preparedness vs Deaths Valley Value(First Outbreak)



Source	ddof1	H	p-unc
Overall Preparedness	2	20.815836565140813	3.0192461541617298e-05

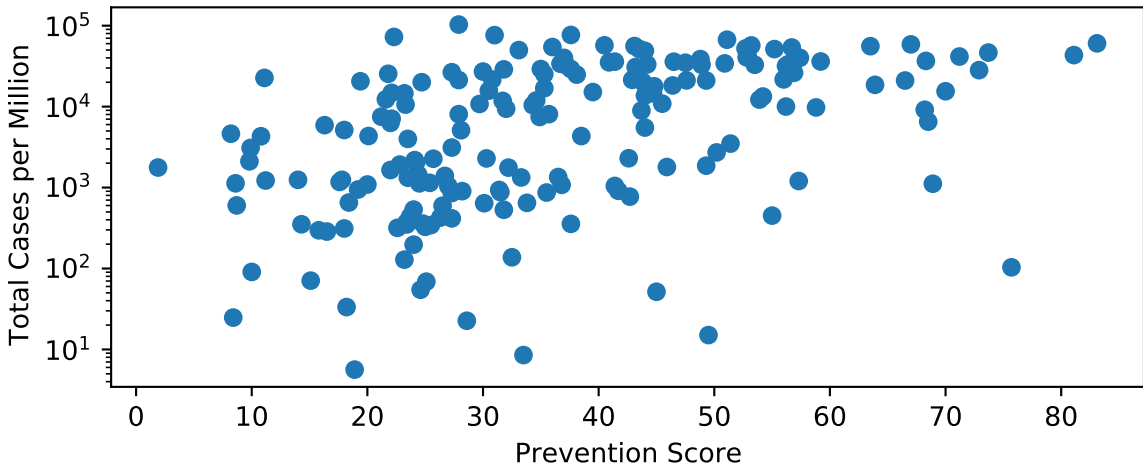
Overall Preparedness vs Case-Death Pair Peak Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	4.612898282654896	0.09961434074950404

Prevention Score vs Total Cases per Million



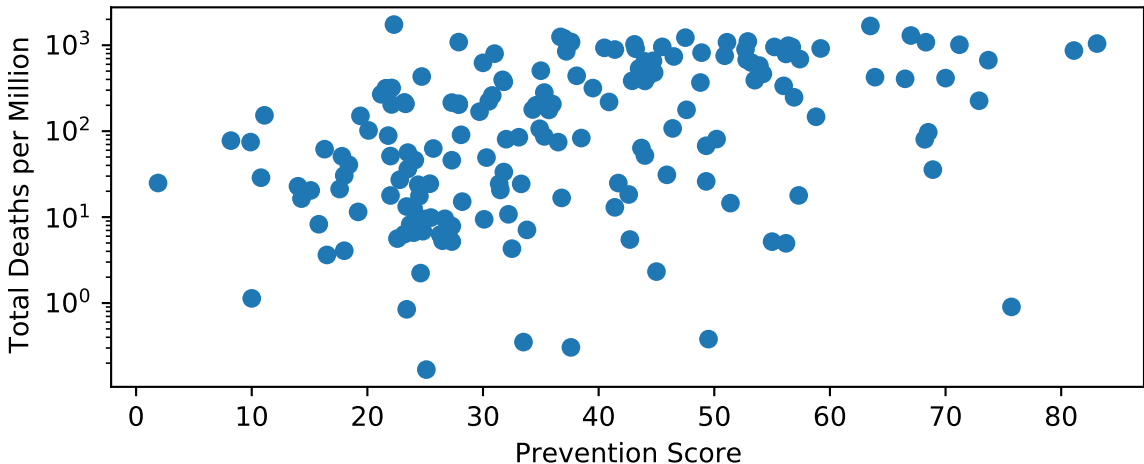
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Total Cases per Million	0.809	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.516	Relatively Strong
P-Value	0.0	Significant

Prevention Score vs Total Deaths per Million



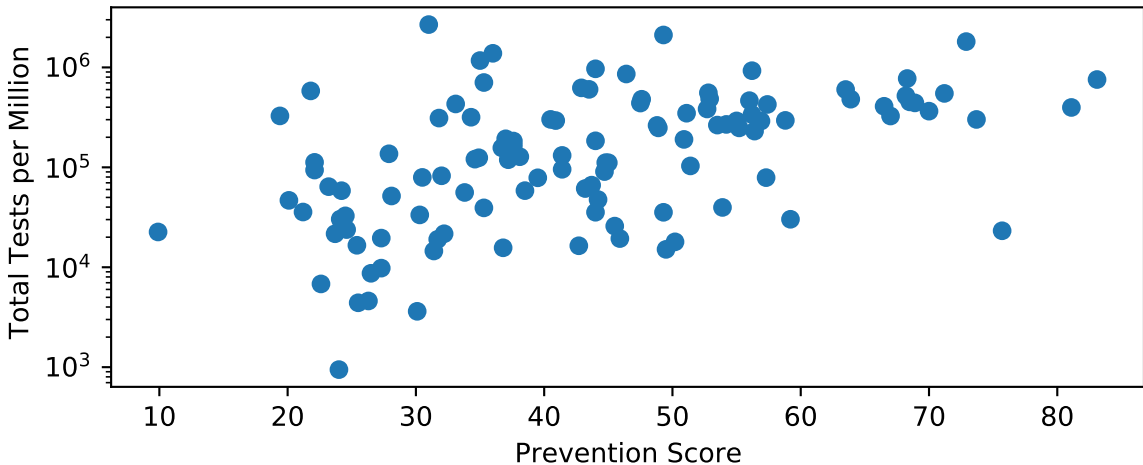
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Total Deaths per Million	0.754	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.525	Relatively Strong
P-Value	0.0	Significant

# Prevention Score vs Total Tests per Million



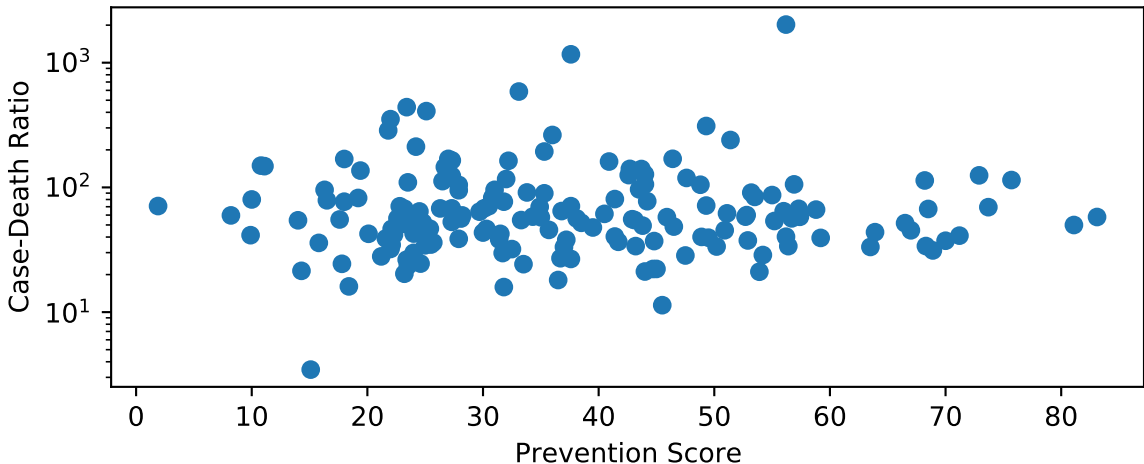
## Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Total Tests per Million	0.661	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.503	Relatively Strong
P-Value	0.0	Significant

Prevention Score vs Case-Death Ratio



Shapiro-Wilk Test

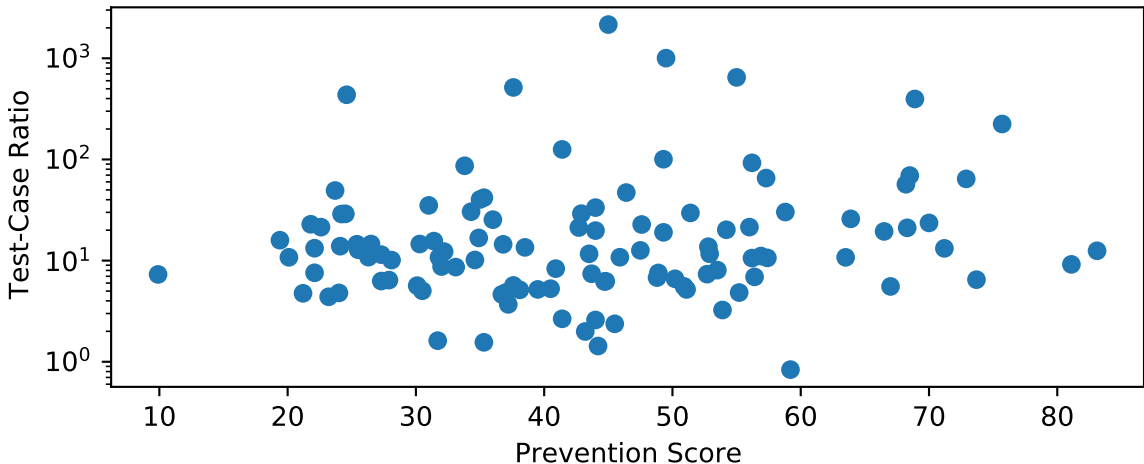
Metric	Score	P-Value
Prevention Score	0.968	0.0
Case-Death Ratio	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.01	Negligible
P-Value	0.893	Not Significant



Prevention Score vs Test-Case Ratio



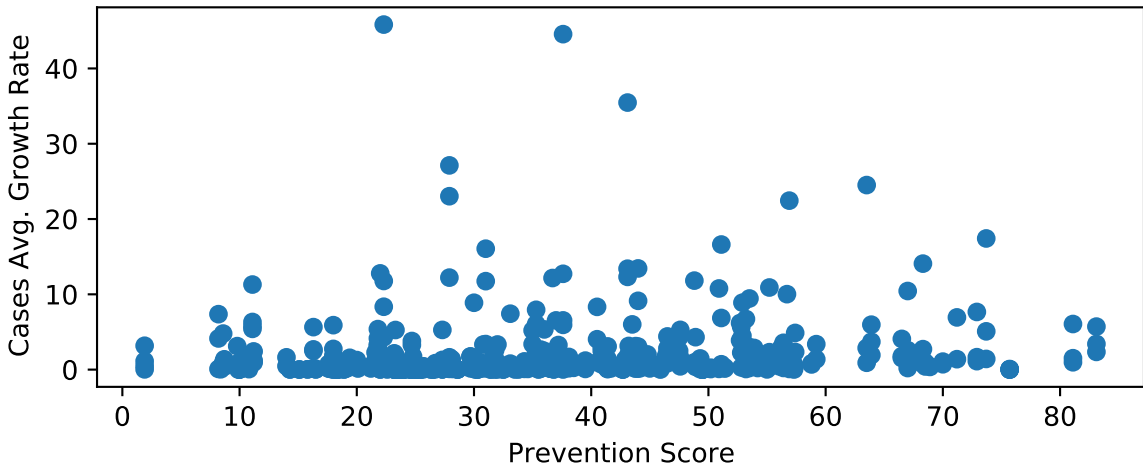
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Test-Case Ratio	0.281	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.122	Weak
P-Value	0.198	Not Significant

Prevention Score vs Cases Avg. Growth Rate



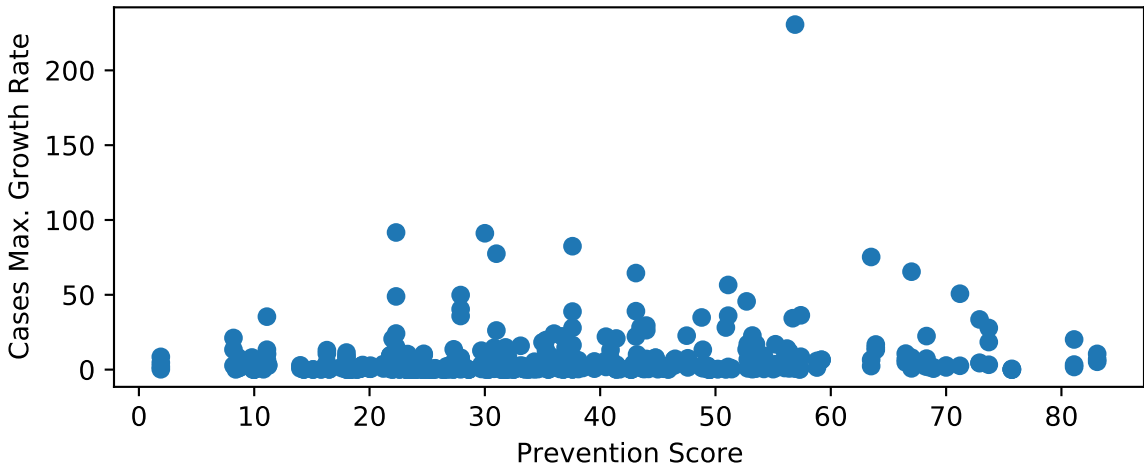
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Avg. Growth Rate	0.221	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.277	Moderate
P-Value	0.0	Significant

Prevention Score vs Cases Max. Growth Rate



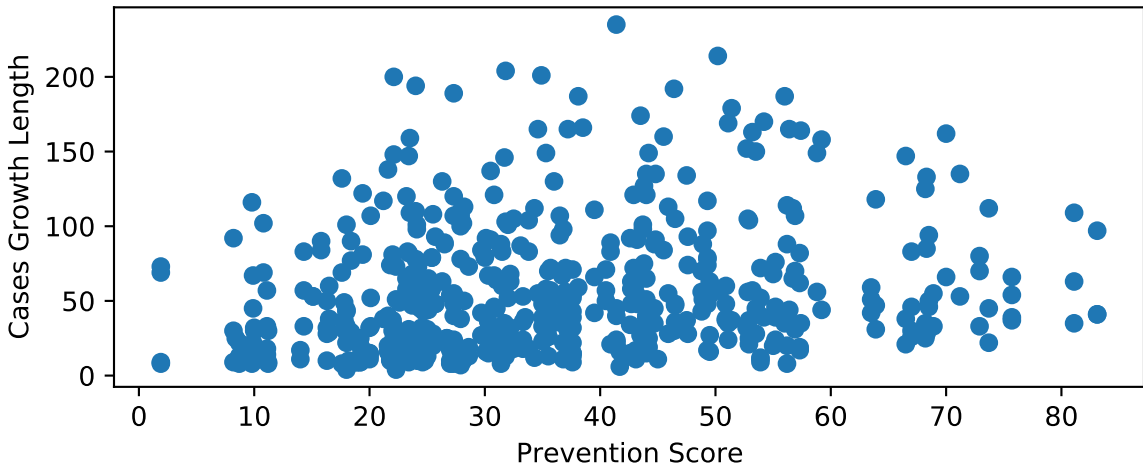
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Max. Growth Rate	0.318	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.267	Moderate
P-Value	0.0	Significant

# Prevention Score vs Cases Growth Length

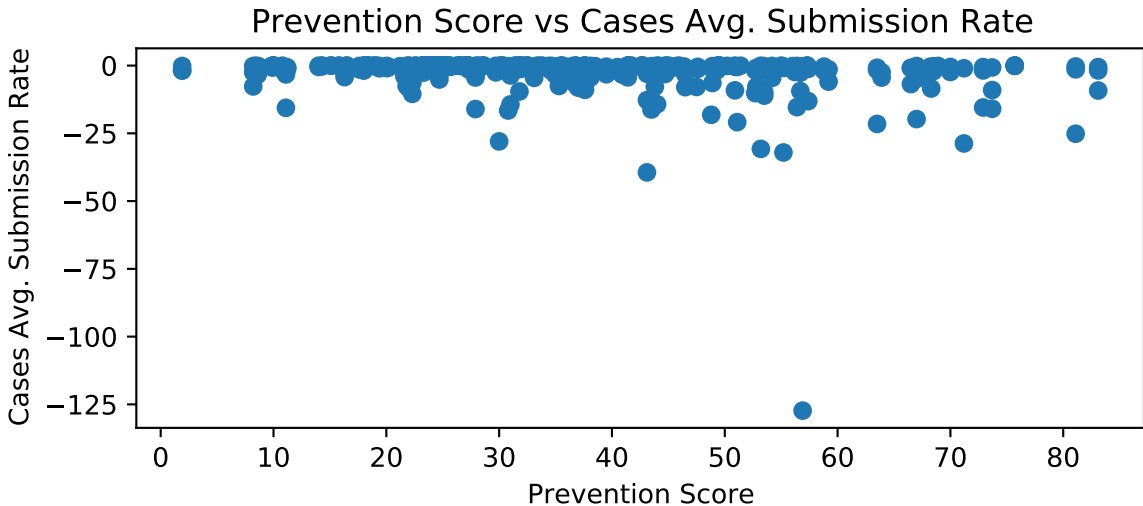


## Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Growth Length	0.864	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.276	Moderate
P-Value	0.0	Significant

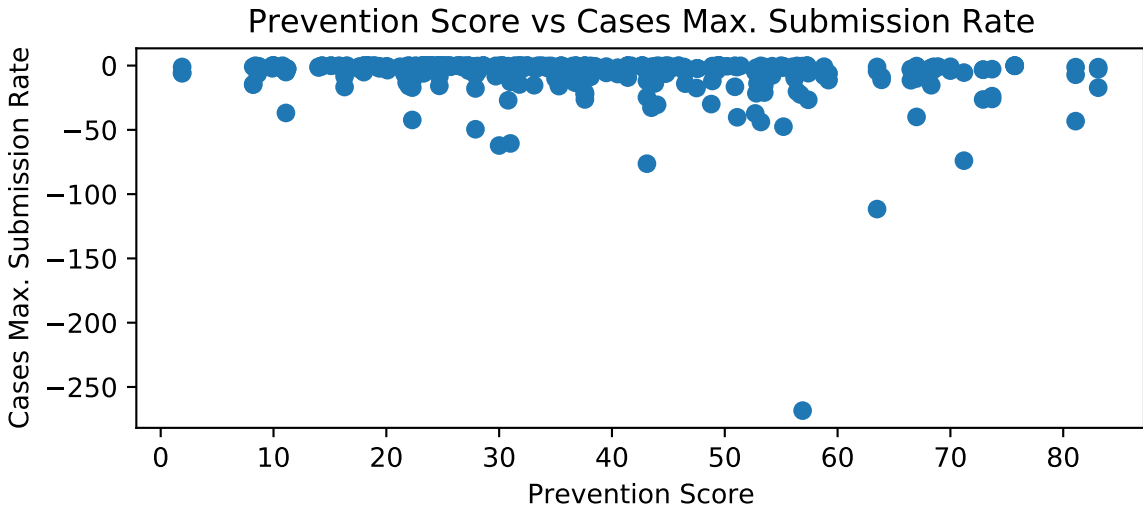


### Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Avg. Submission Rate	0.23	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.262	Moderate
P-Value	0.0	Significant



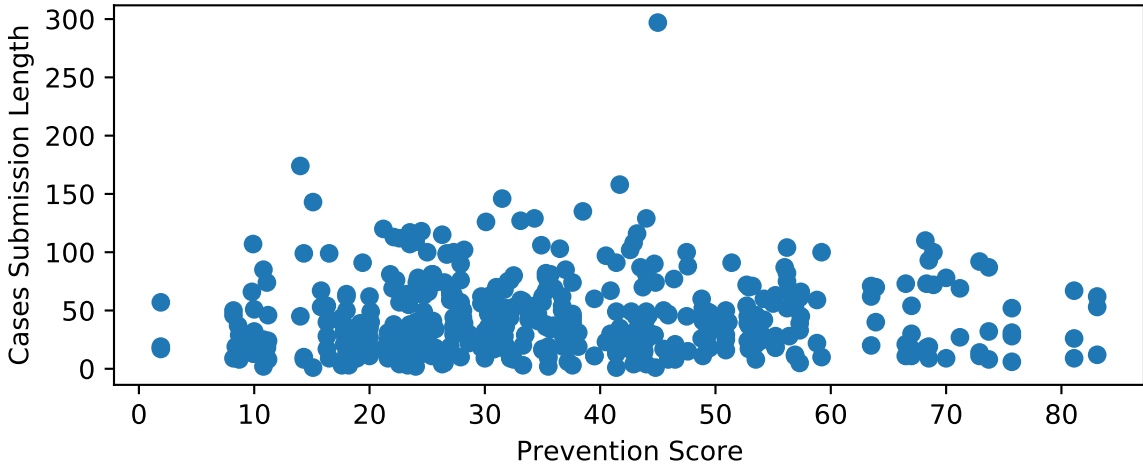
### Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Max. Submission Rate	0.274	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.238	Moderate
P-Value	0.0	Significant

# Prevention Score vs Cases Submission Length



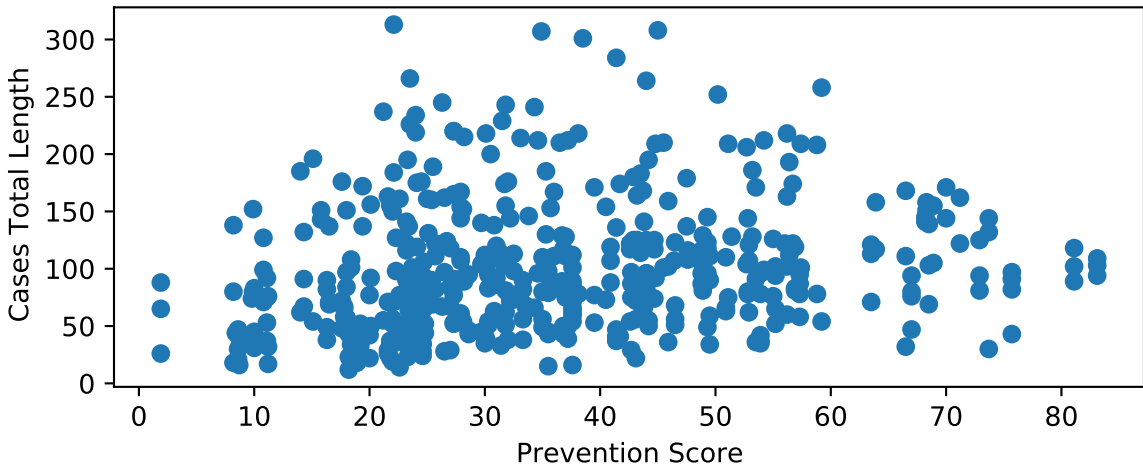
## Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Submission Length	0.855	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.106	Weak
P-Value	0.02	Significant

Prevention Score vs Cases Total Length



Shapiro-Wilk Test

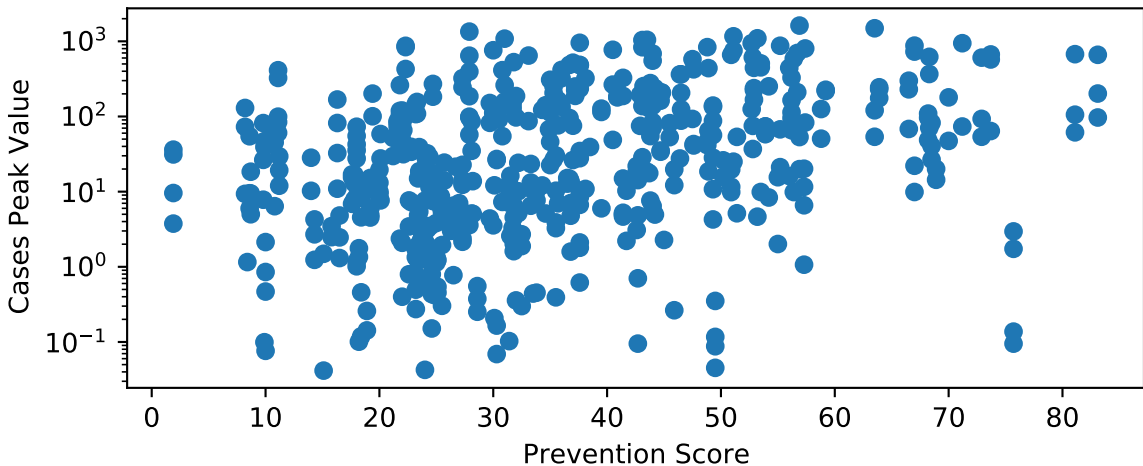
Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Total Length	0.918	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.289	Moderate
P-Value	0.0	Significant



Prevention Score vs Cases Peak Value



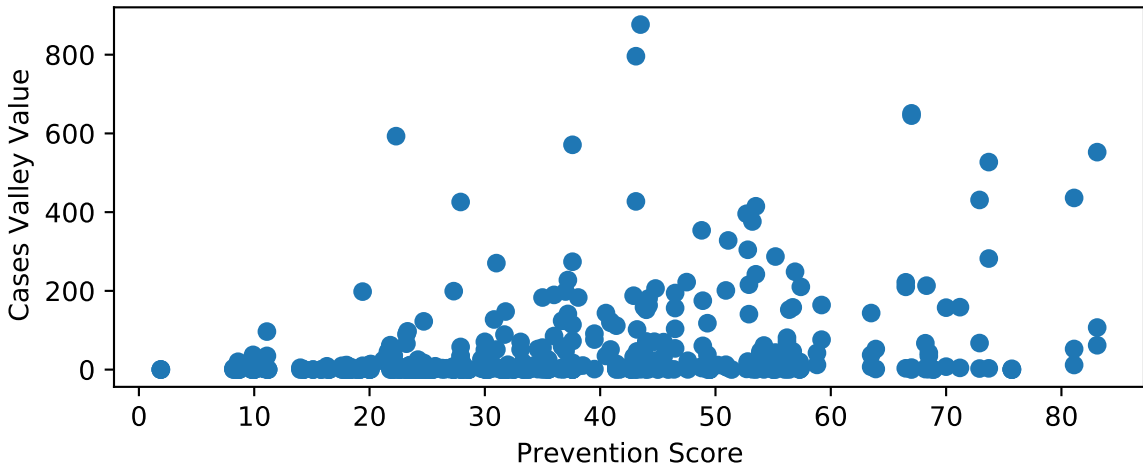
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Peak Value	0.554	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.373	Moderate
P-Value	0.0	Significant

# Prevention Score vs Cases Valley Value



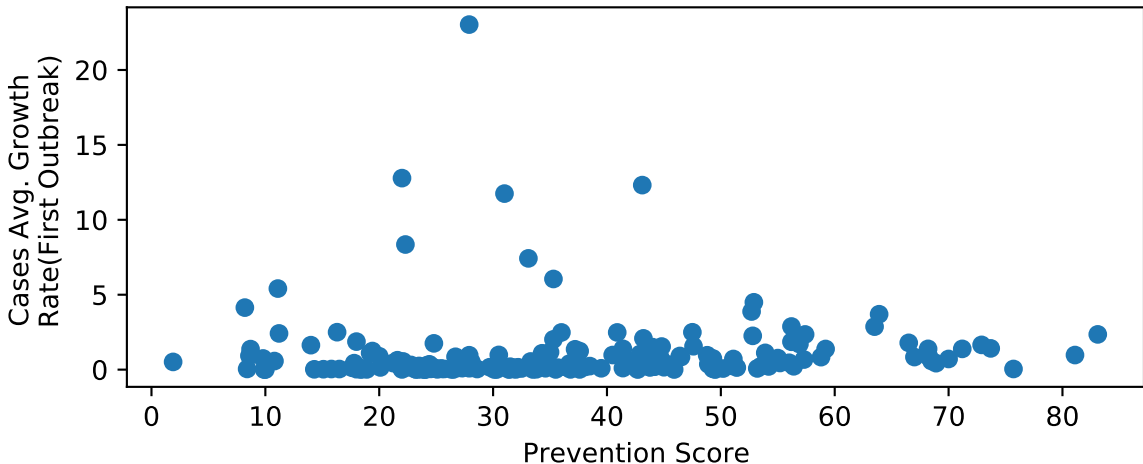
## Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Valley Value	0.478	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.423	Relatively Strong
P-Value	0.0	Significant

Prevention Score vs Cases Avg. Growth Rate(First Outbreak)



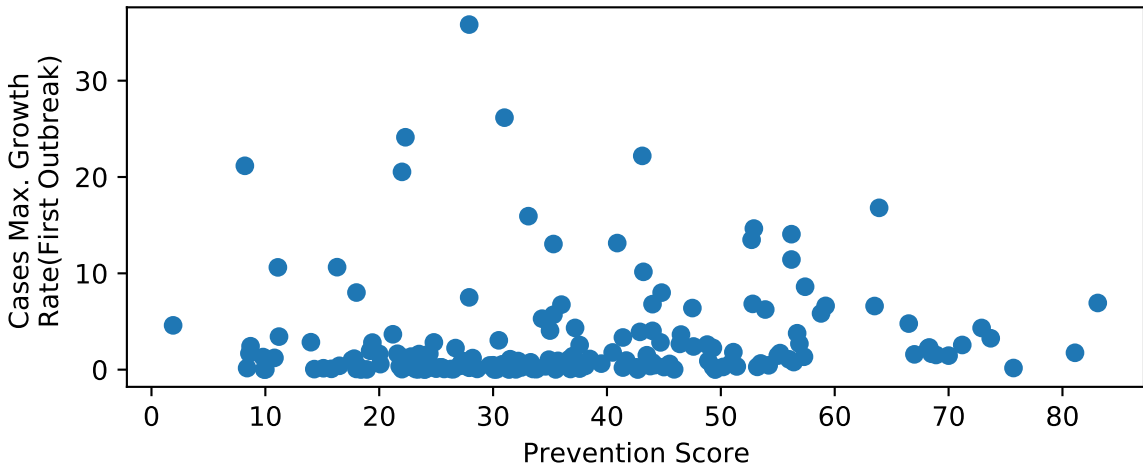
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Avg. Growth Rate(First Outbreak)	0.28	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.302	Moderate
P-Value	0.0	Significant

Prevention Score vs Cases Max. Growth Rate(First Outbreak)



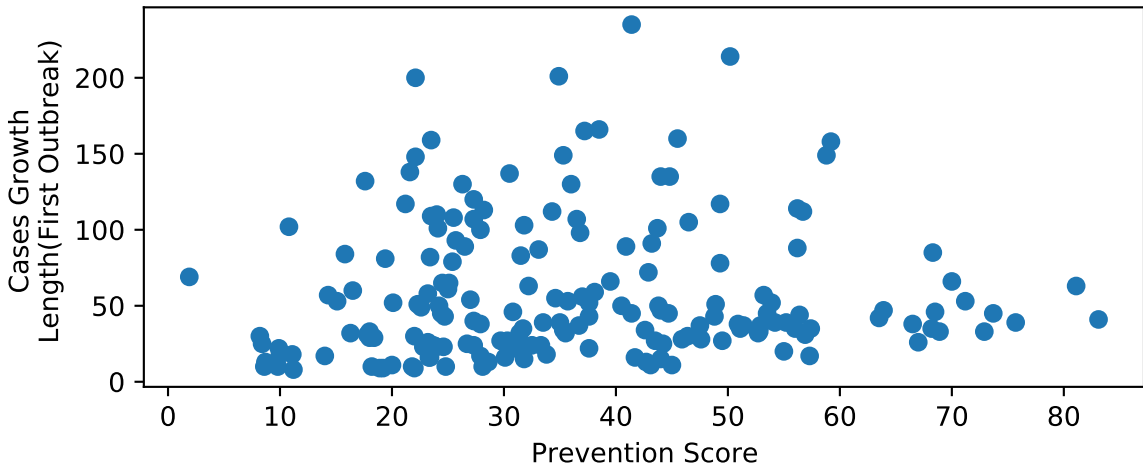
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Max. Growth Rate(First Outbreak)	0.366	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.288	Moderate
P-Value	0.0	Significant

Prevention Score vs Cases Growth Length(First Outbreak)

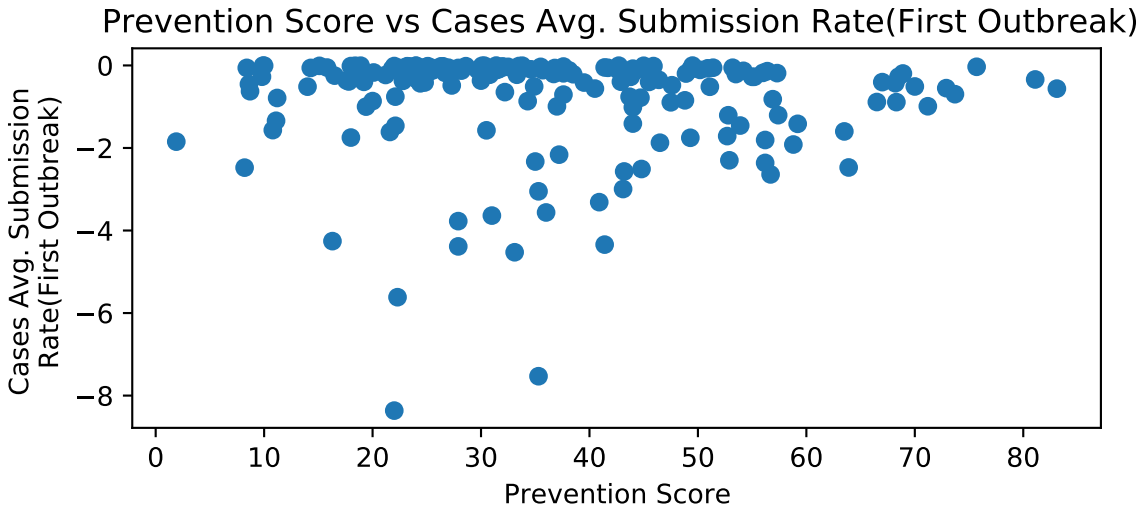


Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Growth Length(First Outbreak)	0.836	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.155	Weak
P-Value	0.036	Significant



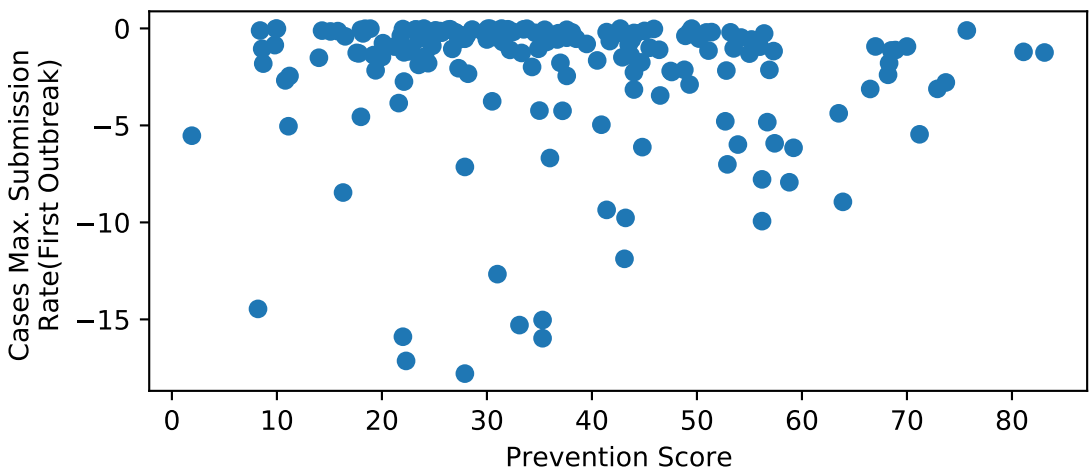
Shapiro-Wilk Test

Test	Statistic	P-value
Shapiro-Wilk	0.988	0.99
Cases Avg. Submission Rate(First Outbreak)	0.988	0.99

Spearman Correlation Test

Output	Results	Outcome
Score	-0.221	Moderate
P-Value	0.003	Significant

Prevention Score vs Cases Max. Submission Rate(First Outbreak)



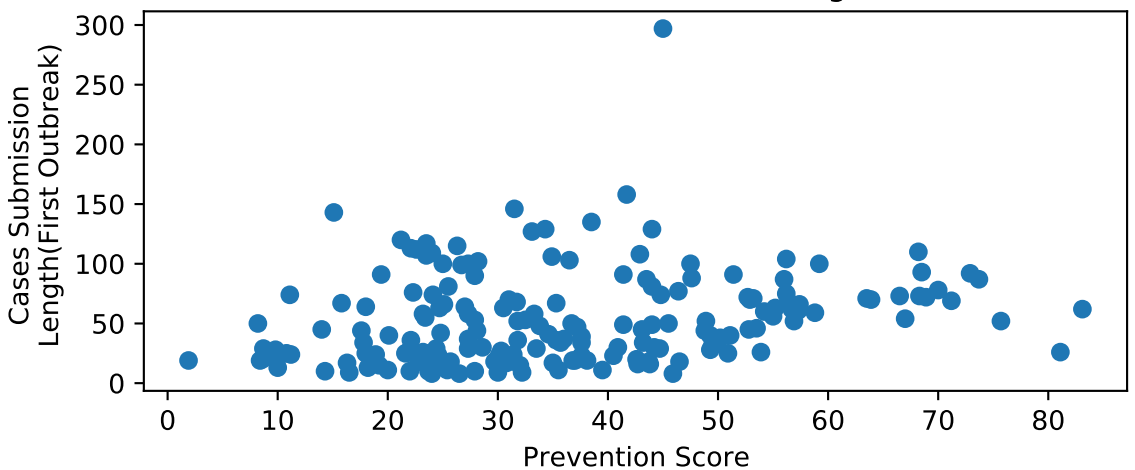
Shapiro-Wilk Test

Test	Statistic	P-Value
Prevention Score	0.998	0.99
Cases Max. Submission Rate(First Outbreak)	0.997	0.99

Spearman Correlation Test

Output	Results	Outcome
Score	-0.229	Moderate
P-Value	0.002	Significant

Prevention Score vs Cases Submission Length(First Outbreak)



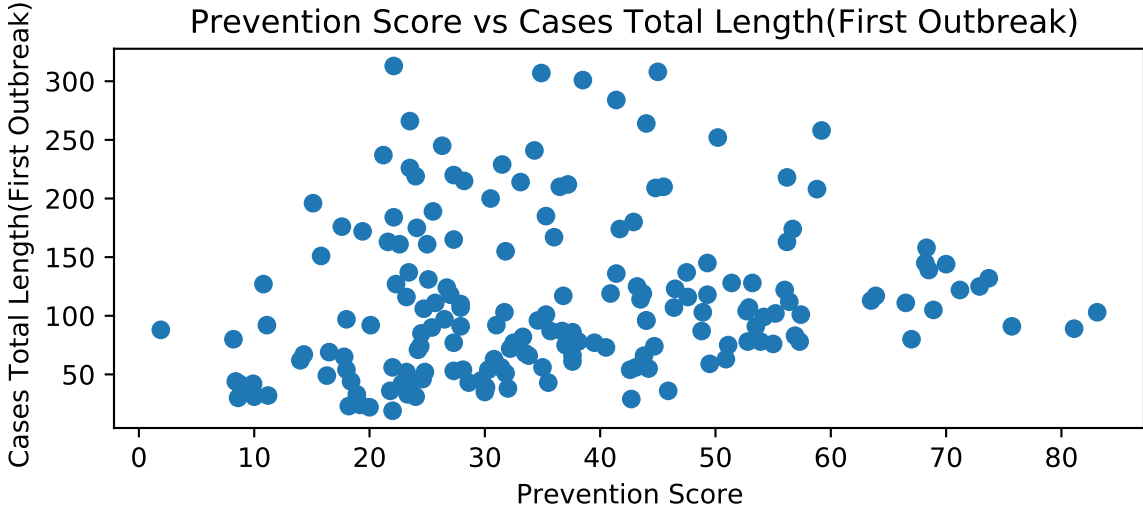
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Submission Length(First Outbreak)	0.852	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.31	Moderate
P-Value	0.0	Significant



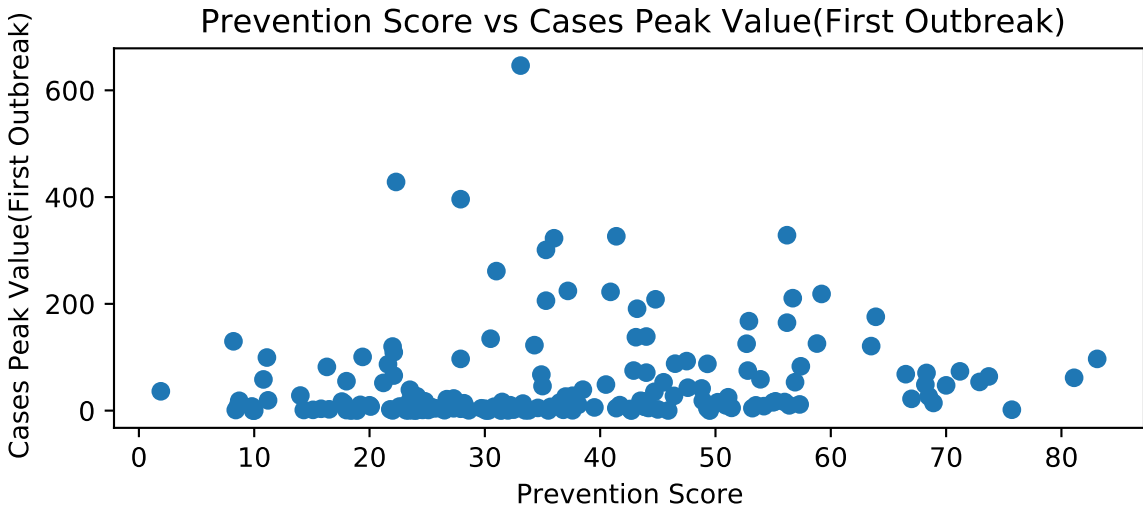


Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Total Length(First Outbreak)	0.903	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.284	Moderate
P-Value	0.0	Significant

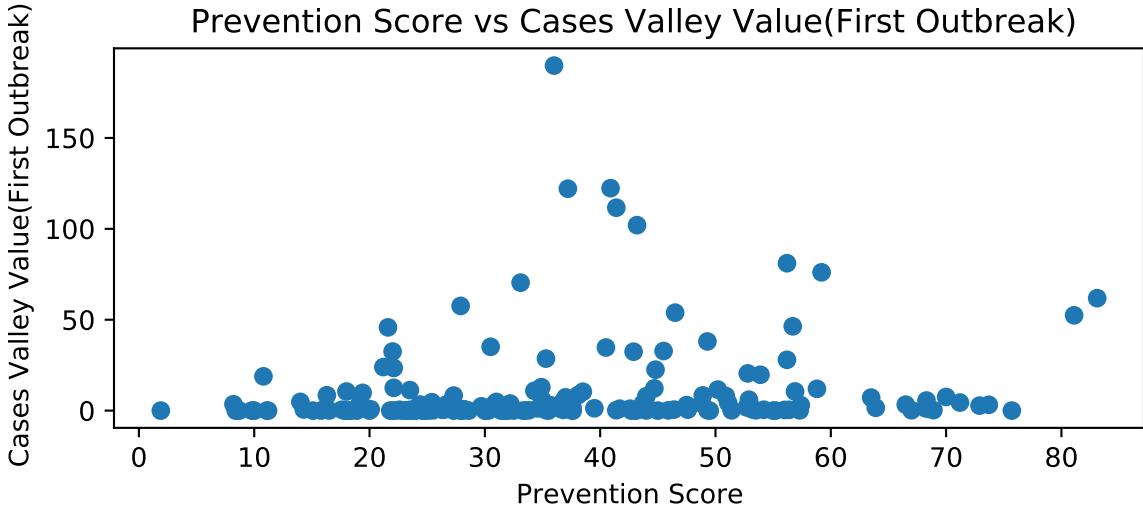


Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Peak Value(First Outbreak)	0.592	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.333	Moderate
P-Value	0.0	Significant



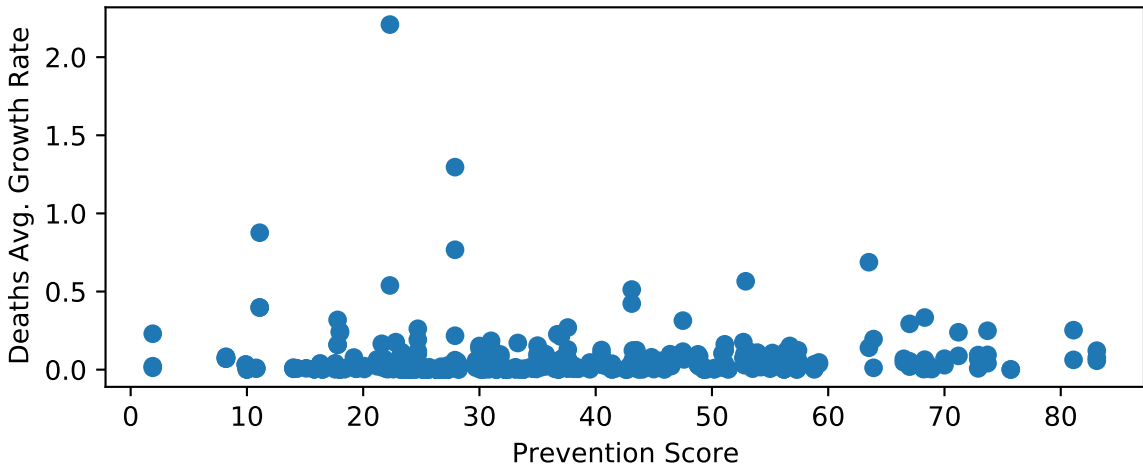
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Cases Valley Value(First Outbreak)	0.445	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.358	Moderate
P-Value	0.0	Significant

# Prevention Score vs Deaths Avg. Growth Rate



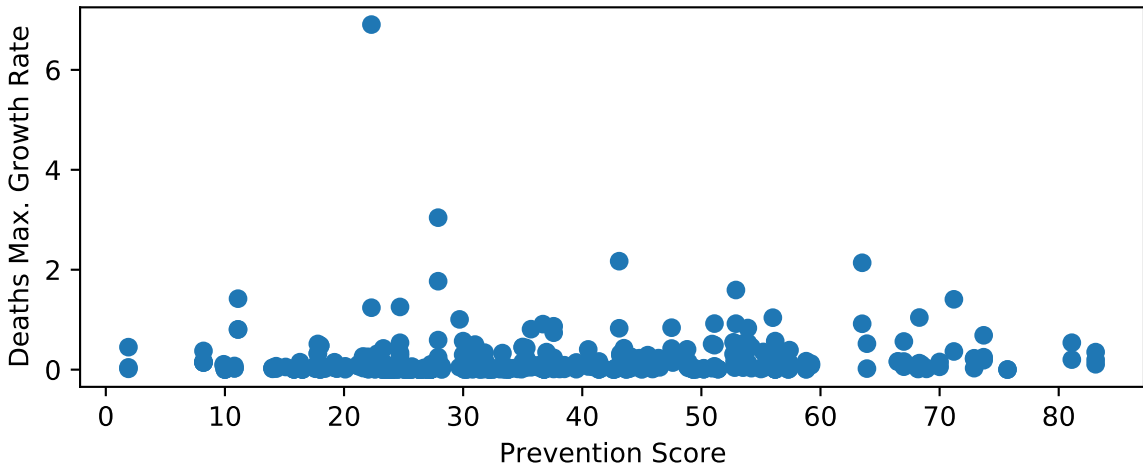
## Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Avg. Growth Rate	0.339	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.203	Moderate
P-Value	0.0	Significant

Prevention Score vs Deaths Max. Growth Rate



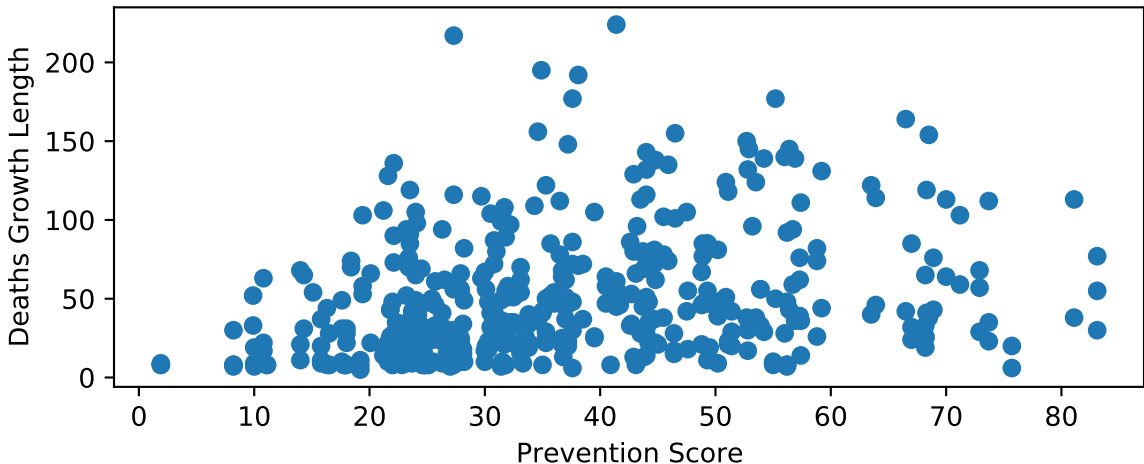
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Max. Growth Rate	0.385	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.213	Moderate
P-Value	0.0	Significant

Prevention Score vs Deaths Growth Length

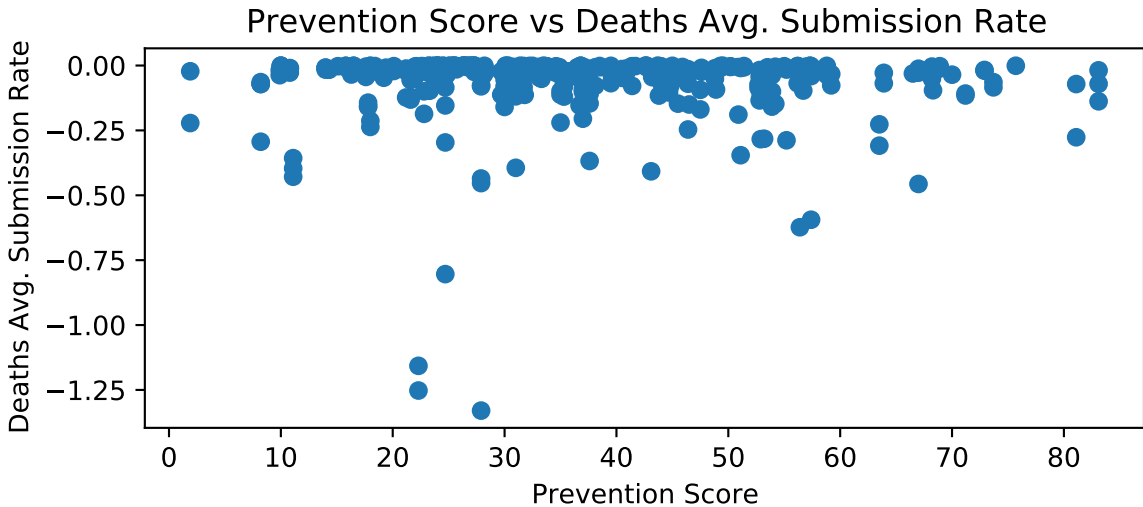


Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Growth Length	0.841	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.379	Moderate
P-Value	0.0	Significant

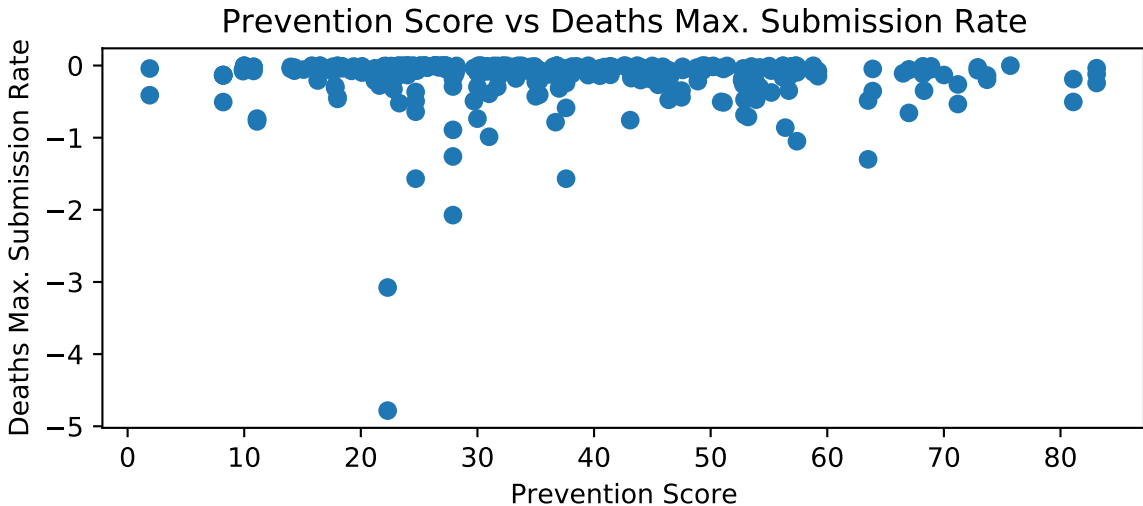


### Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Avg. Submission Rate	0.402	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.155	Weak
P-Value	0.001	Significant



### Shapiro-Wilk Test

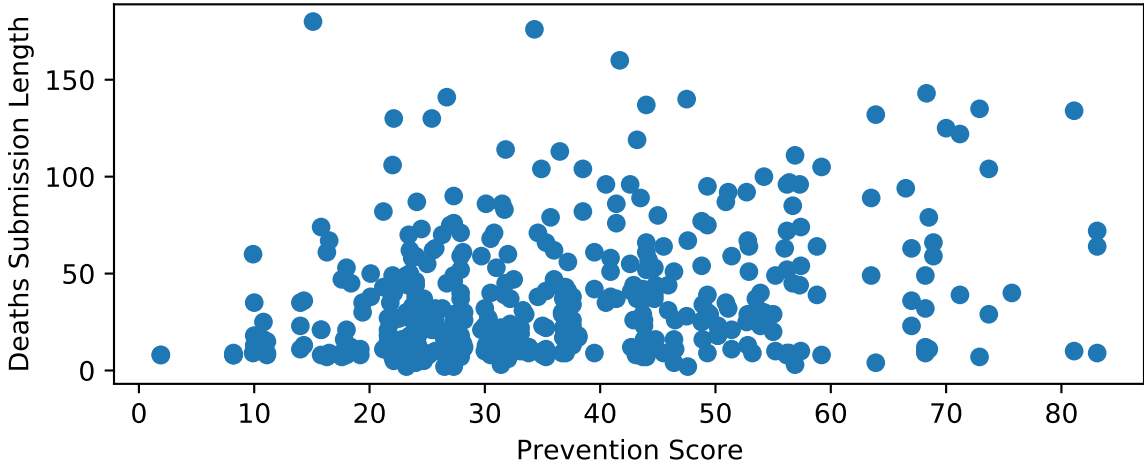
Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Max. Submission Rate	0.396	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.159	Weak
P-Value	0.001	Significant



Prevention Score vs Deaths Submission Length



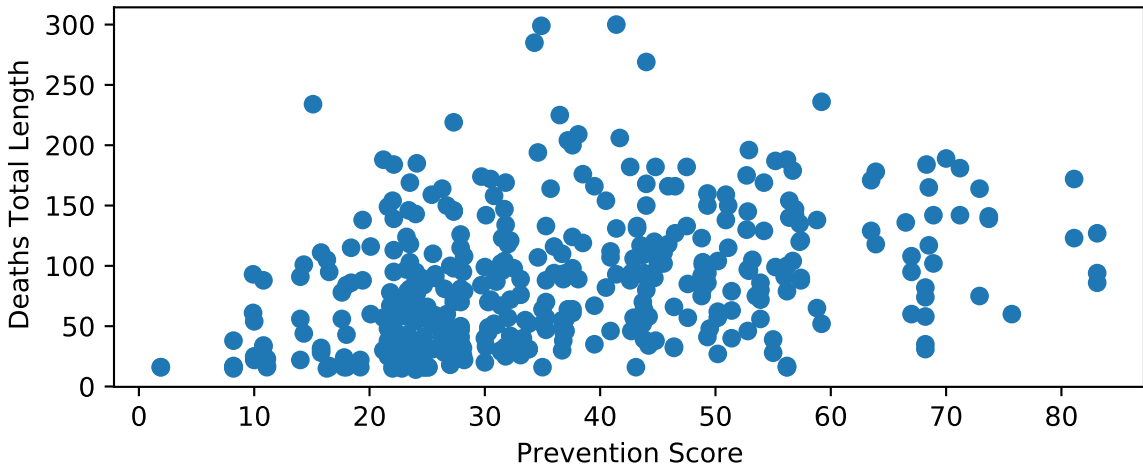
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Submission Length	0.837	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.279	Moderate
P-Value	0.0	Significant

# Prevention Score vs Deaths Total Length



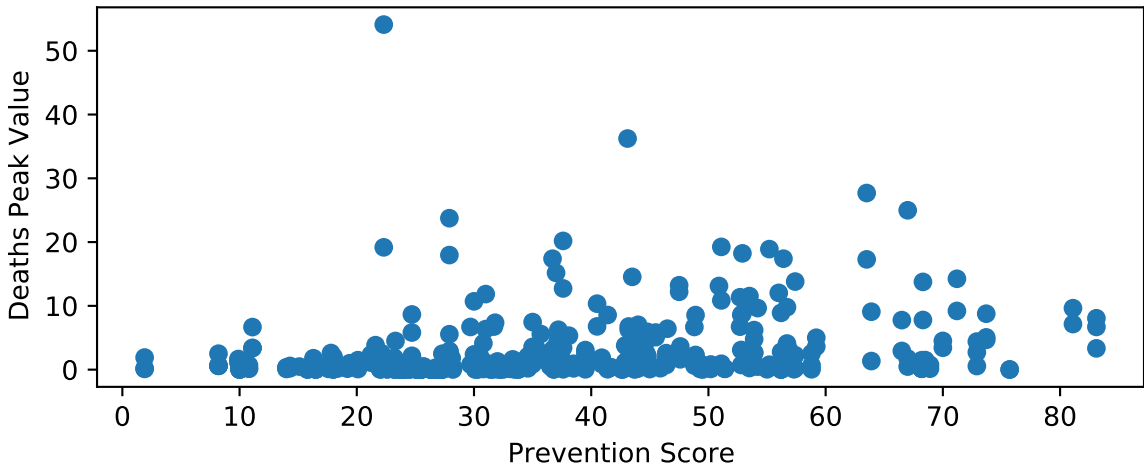
## Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Total Length	0.918	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.43	Relatively Strong
P-Value	0.0	Significant

Prevention Score vs Deaths Peak Value



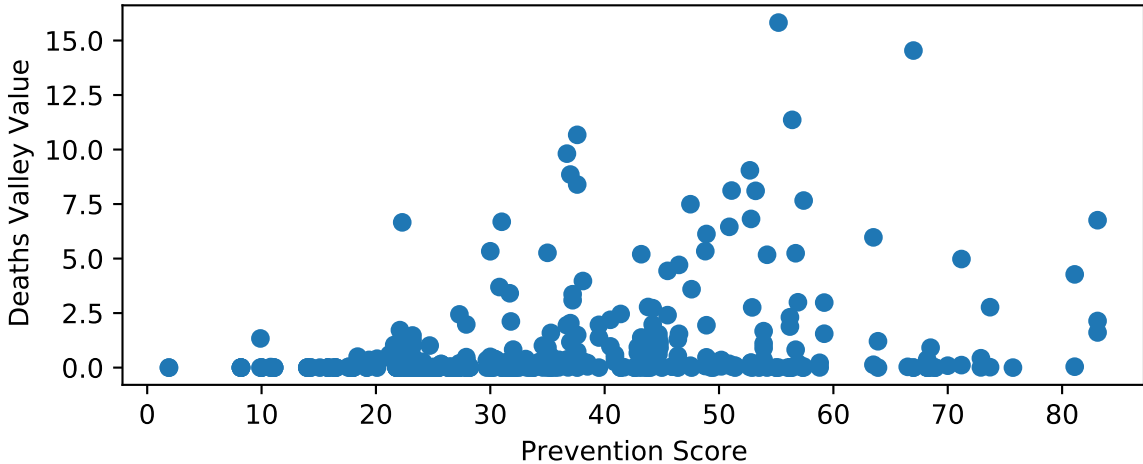
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Peak Value	0.57	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.352	Moderate
P-Value	0.0	Significant

# Prevention Score vs Deaths Valley Value



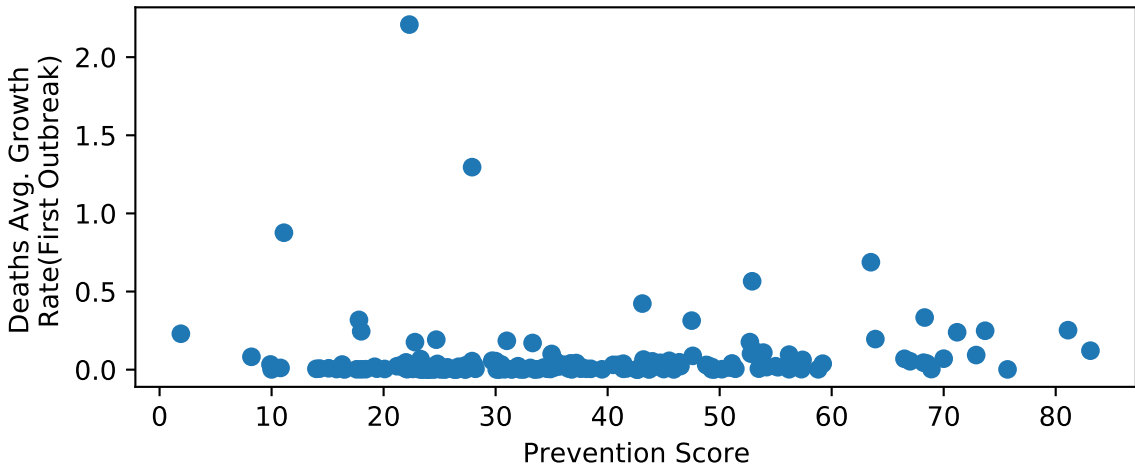
## Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Valley Value	0.464	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.38	Moderate
P-Value	0.0	Significant

Prevention Score vs Deaths Avg. Growth Rate(First Outbreak)



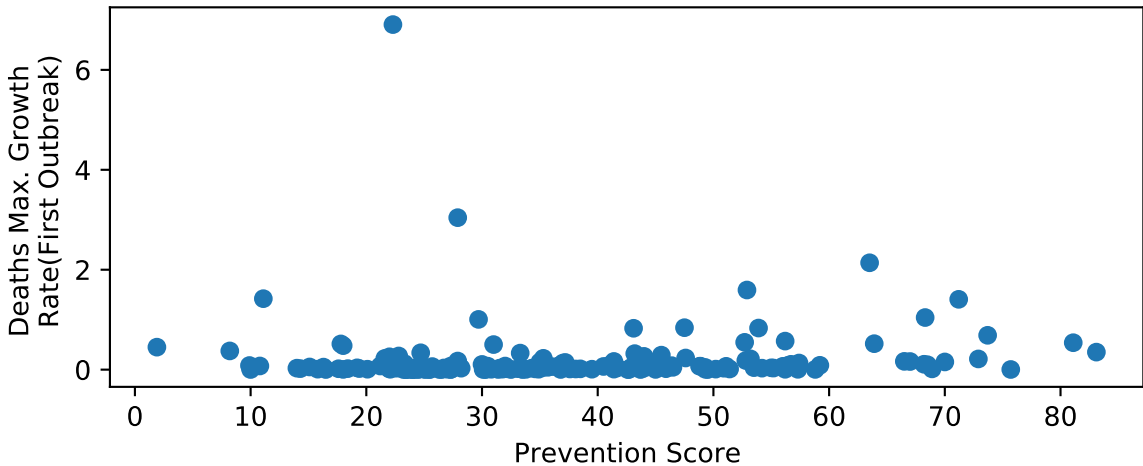
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Avg. Growth Rate(First Outbreak)	0.359	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.28	Moderate
P-Value	0.0	Significant

Prevention Score vs Deaths Max. Growth Rate(First Outbreak)



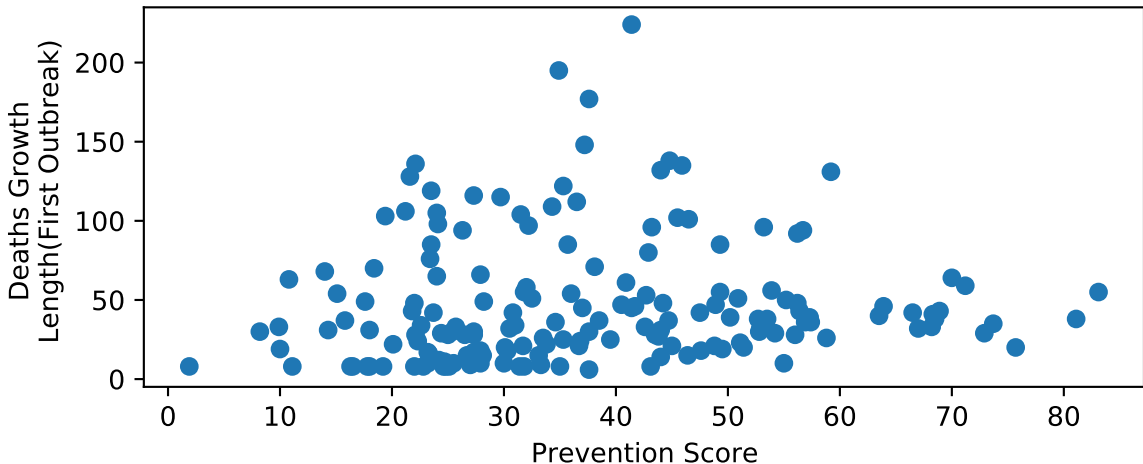
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Max. Growth Rate(First Outbreak)	0.379	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.253	Moderate
P-Value	0.001	Significant

Prevention Score vs Deaths Growth Length(First Outbreak)



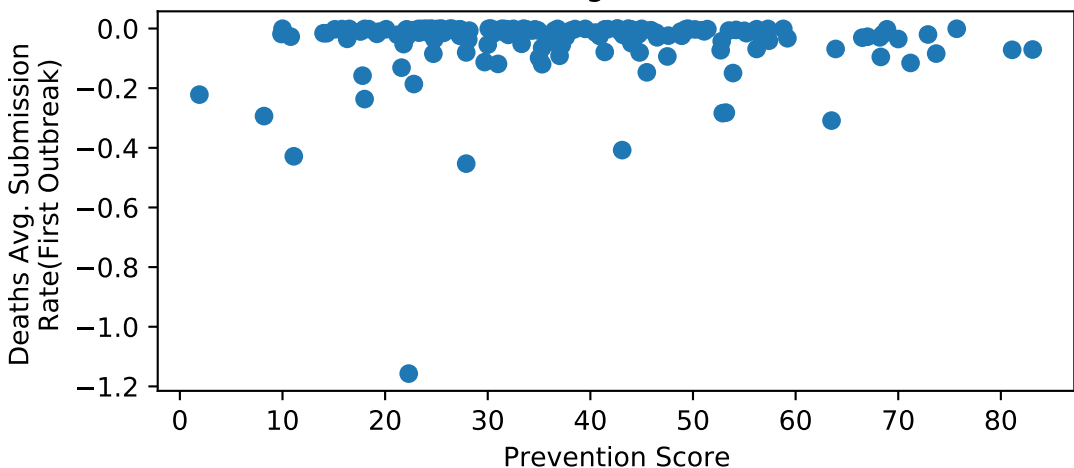
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Growth Length(First Outbreak)	0.819	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.206	Moderate
P-Value	0.007	Significant

Prevention Score vs Deaths Avg. Submission Rate(First Outbreak)



Shapiro-Wilk Test

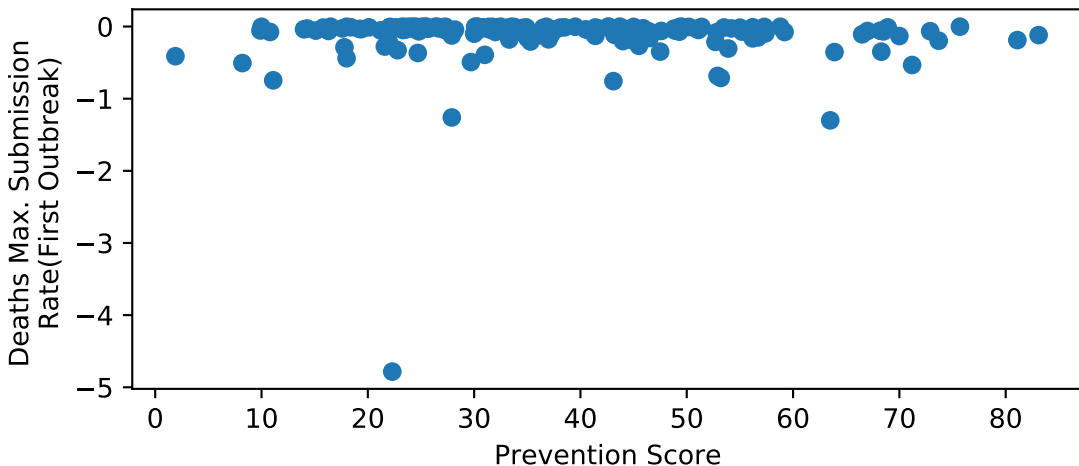
Test	Statistic	P-Value
Shapiro-Wilk Test	0.988	0.9
Deaths Avg. Submission Rate(First Outbreak)	0.984	0.9

Spearman Correlation Test

Output	Results	Outcome
Score	-0.136	Weak
P-Value	0.076	Not Significant



Prevention Score vs Deaths Max. Submission Rate(First Outbreak)



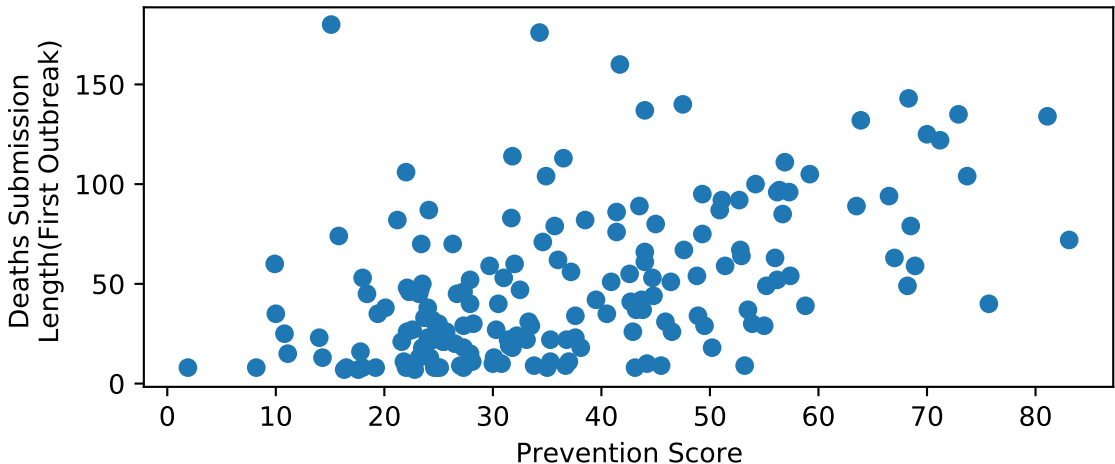
Shapiro-Wilk Test

Tests	Stats	P-Value
Prevention Score	0.998	0.99
Deaths Max. Submission Rate(First Outbreak)	0.001	0.01

Spearman Correlation Test

Output	Results	Outcome
Score	-0.177	Weak
P-Value	0.021	Significant

Prevention Score vs Deaths Submission Length(First Outbreak)



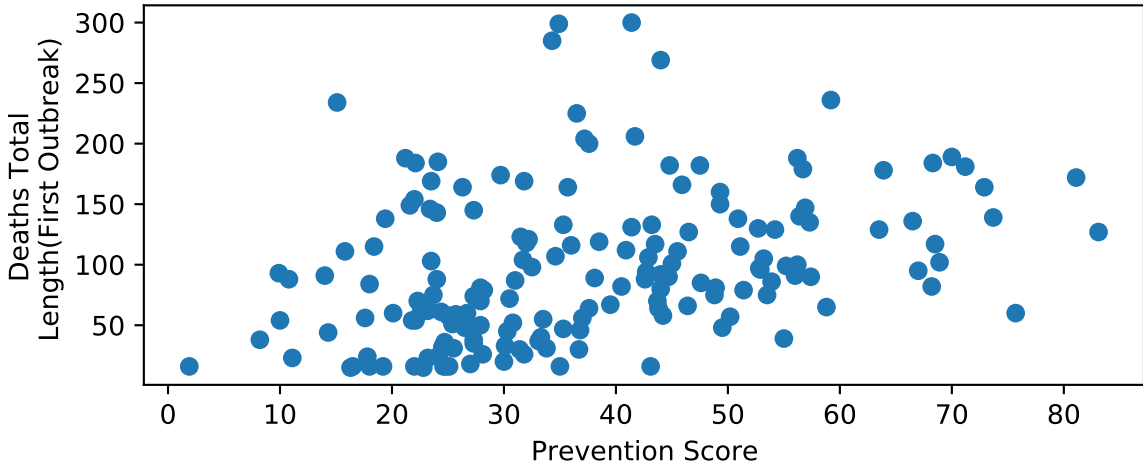
Shapiro-Wilk Test

Tests	Stats	P-value
Prevention Score	0.986	0.9
Deaths Submission Length(First Outbreak)	0.004	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.502	Relatively Strong
P-Value	0.0	Significant

# Prevention Score vs Deaths Total Length(First Outbreak)



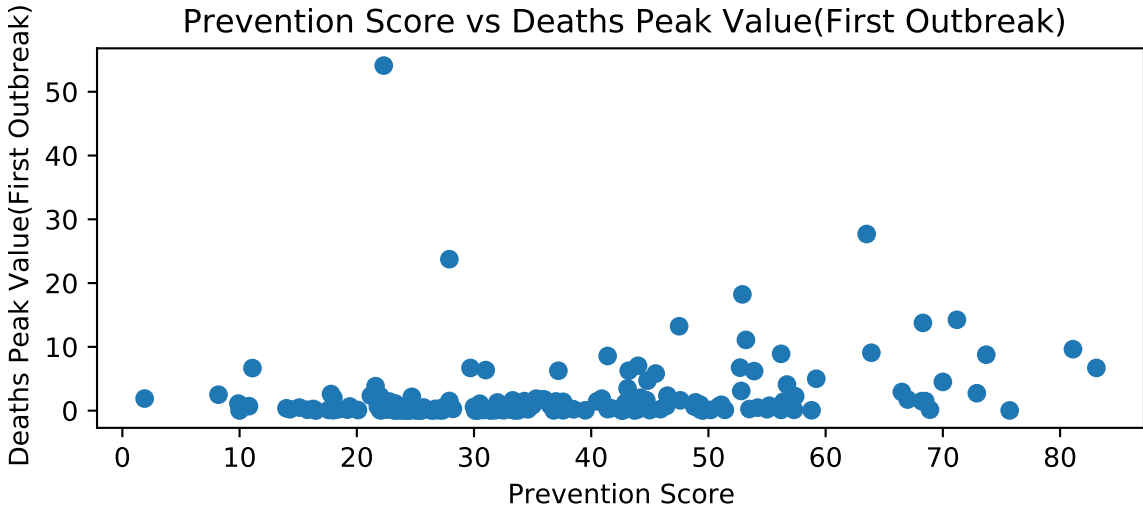
## Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Total Length(First Outbreak)	0.926	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.406	Relatively Strong
P-Value	0.0	Significant

Prevention Score vs Deaths Peak Value(First Outbreak)



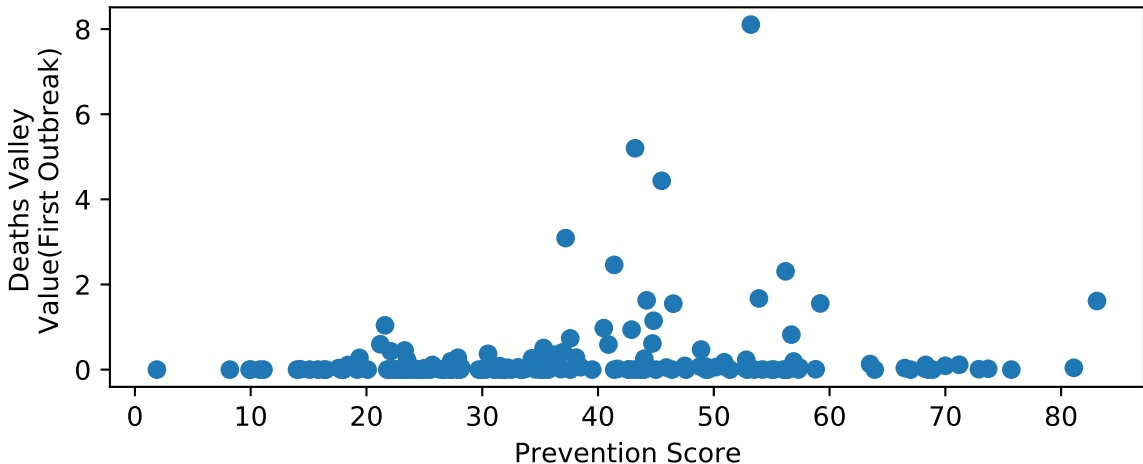
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Peak Value(First Outbreak)	0.492	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.329	Moderate
P-Value	0.0	Significant

Prevention Score vs Deaths Valley Value(First Outbreak)



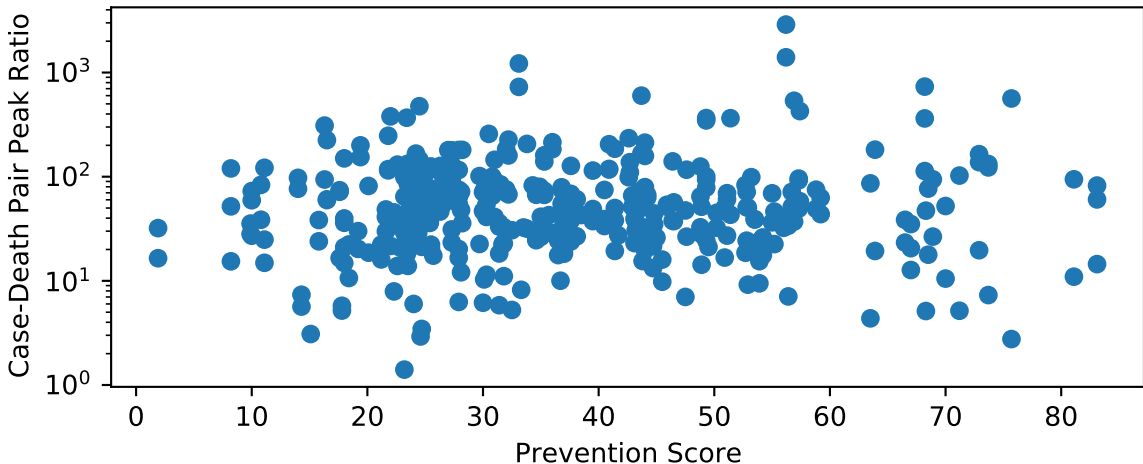
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Deaths Valley Value(First Outbreak)	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.293	Moderate
P-Value	0.0	Significant

Prevention Score vs Case-Death Pair Peak Ratio



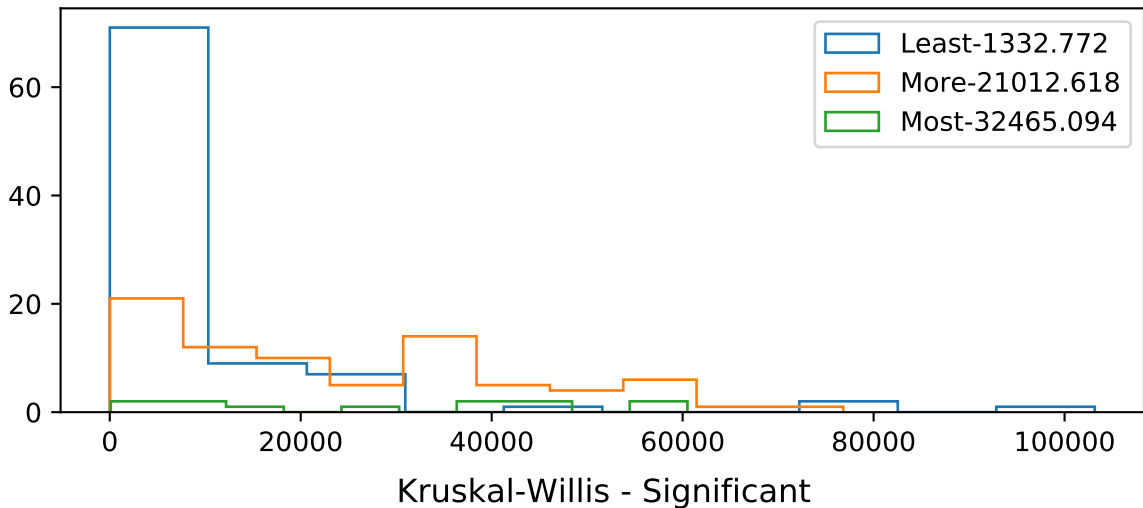
Shapiro-Wilk Test

Metric	Score	P-Value
Prevention Score	0.968	0.0
Case-Death Pair Peak Ratio	0.324	0.0

Spearman Correlation Test

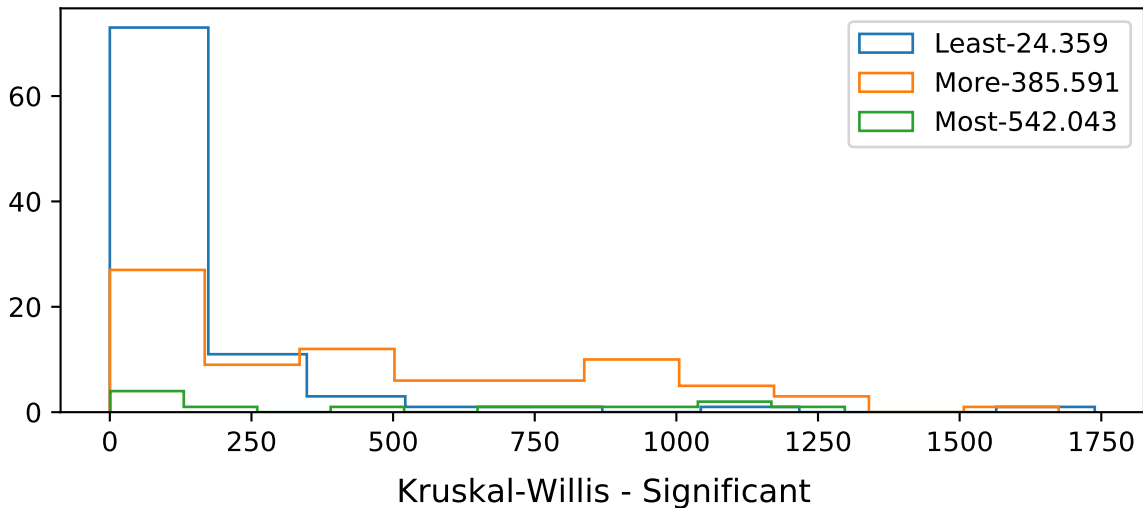
Output	Results	Outcome
Score	0.02	Negligible
P-Value	0.695	Not Significant

# Prevention Preparedness vs Total Cases per Million



Source	ddof1	H	p-unc
Prevention Preparedness	2	43.35373279284181	3.853510432531635e-10

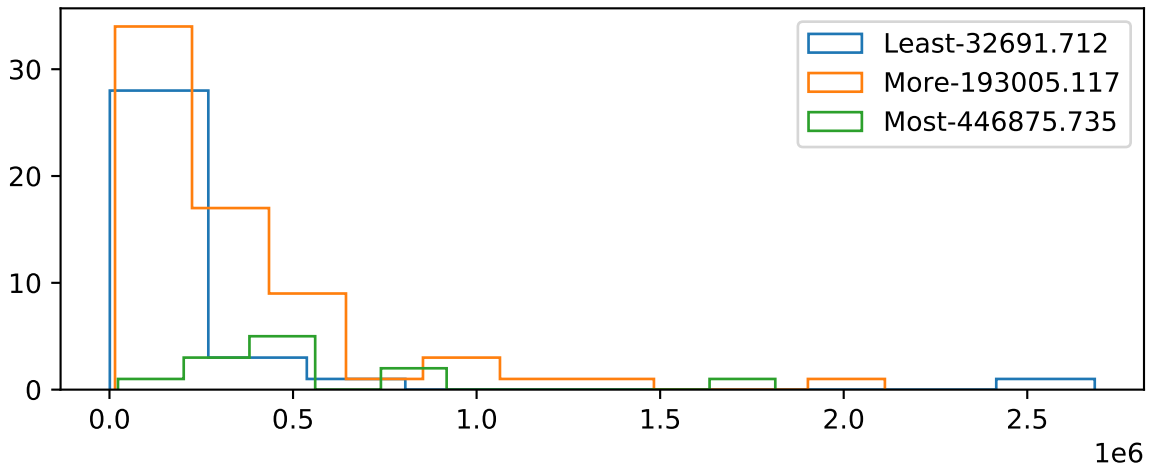
# Prevention Preparedness vs Total Deaths per Million



Source	ddof1	H	p-unc
Prevention Preparedness	2	44.0232780454533	2.757189619670096e-10



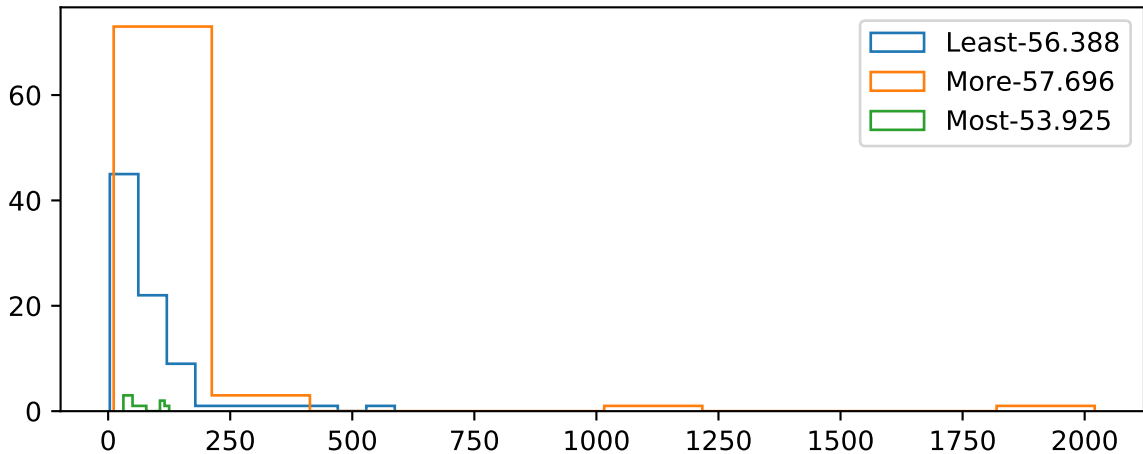
# Prevention Preparedness vs Total Tests per Million



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Prevention Preparedness	2	29.27883707396819	4.387138156658768e-07

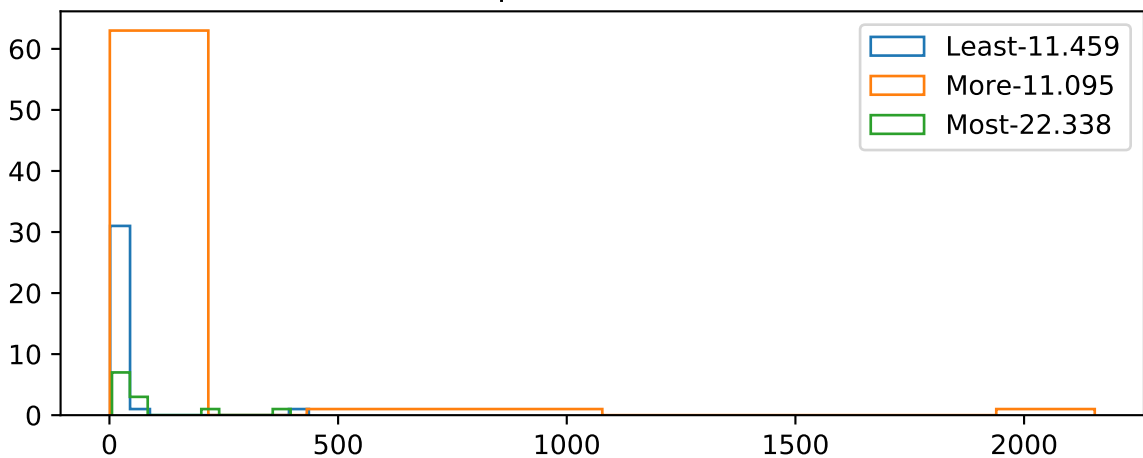
## Prevention Preparedness vs Case-Death Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Prevention Preparedness	2	0.08605828972451945	0.9578834722783421

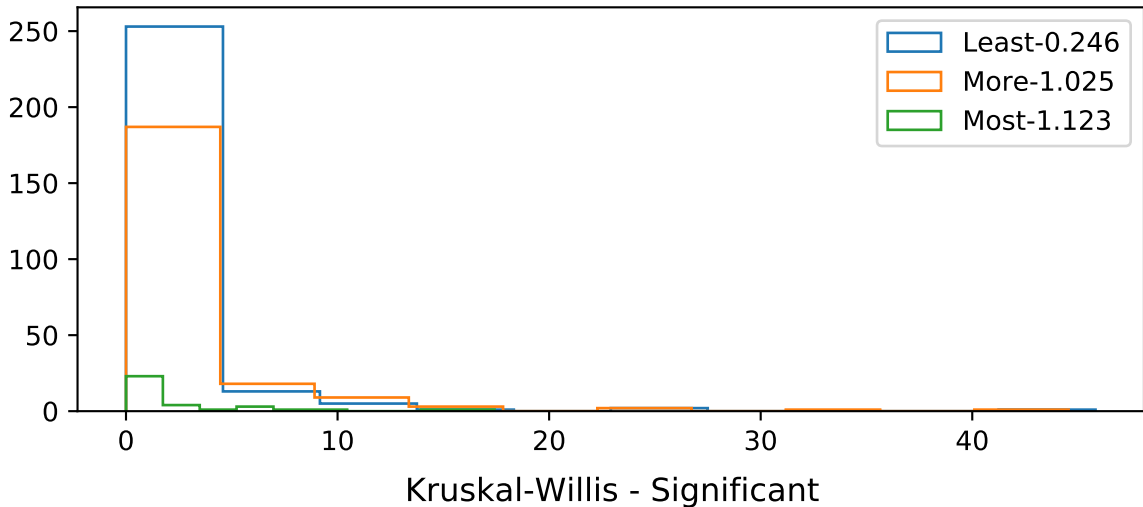
# Prevention Preparedness vs Test-Case Ratio



Kruskal-Willis - Not Significant

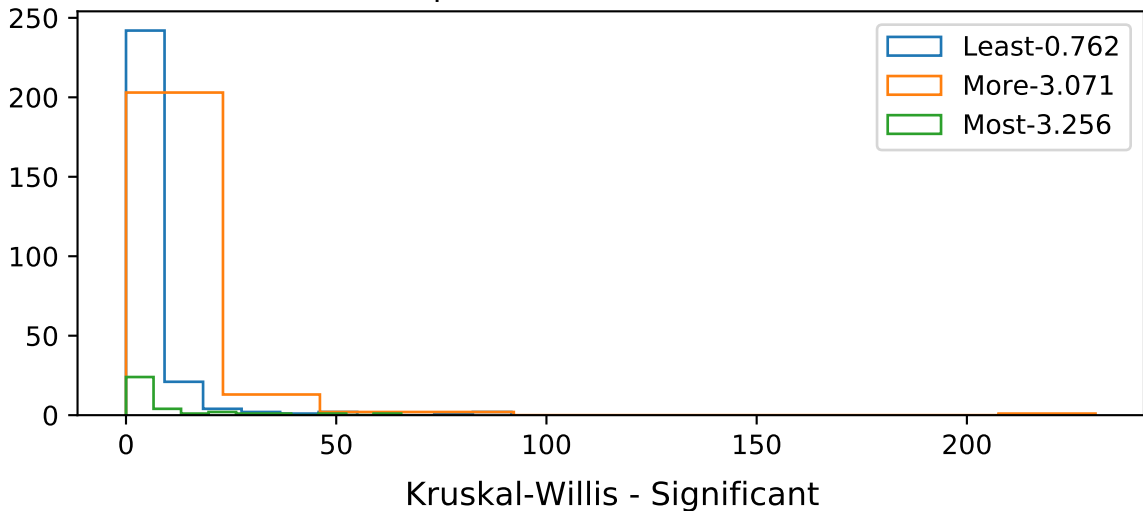
Source	ddof1	H	p-unc
Prevention Preparedness	2	3.833665220329749	0.14707205971580728

Prevention Preparedness vs Cases Avg. Growth Rate



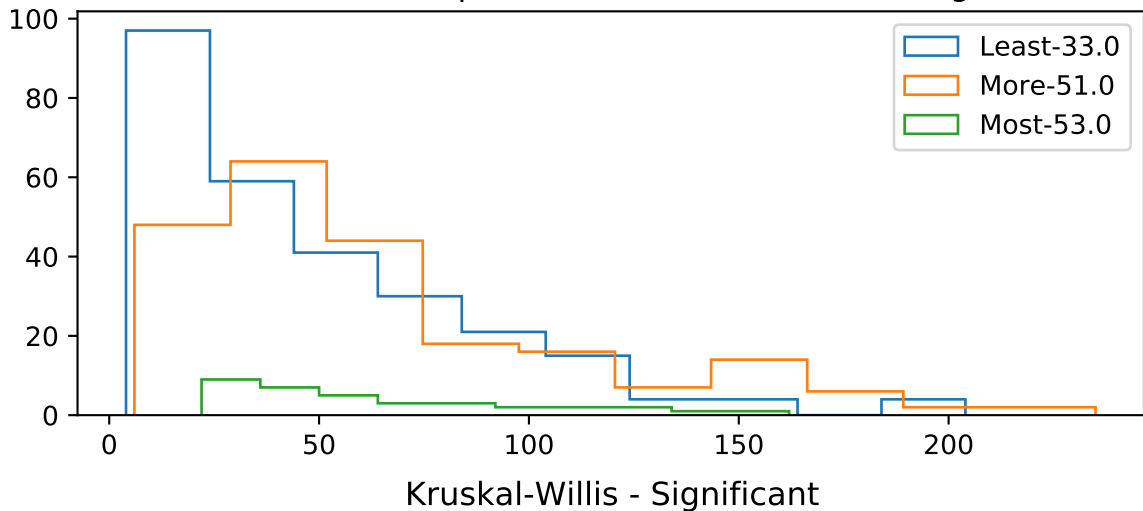
Source	ddof1	H	p-unc
x	2	51.32394676241347	7.163851352291455e-12

# Prevention Preparedness vs Cases Max. Growth Rate



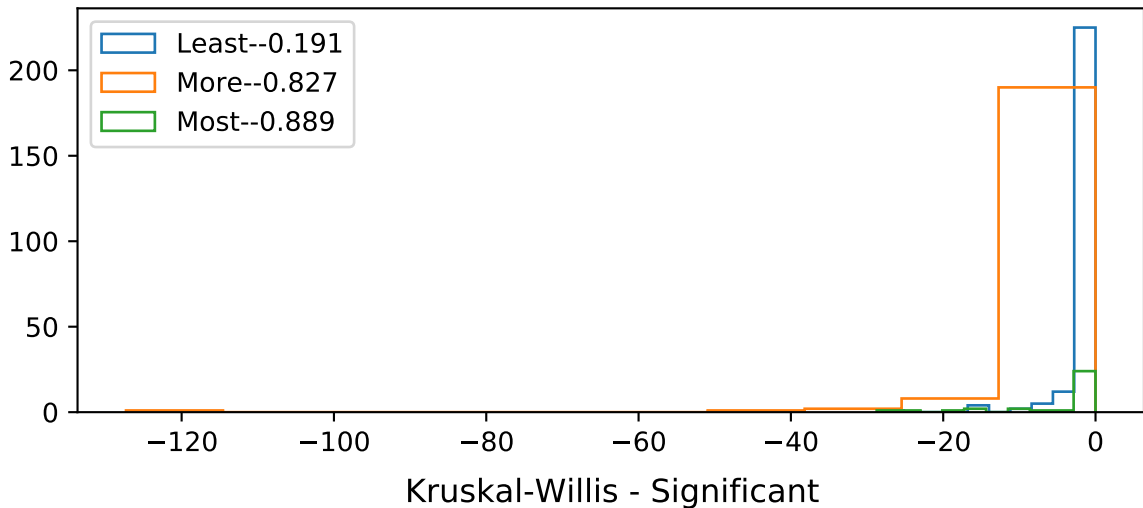
Source	ddof1	H	p-unc
x	2	48.59574355254449	2.8026467727246278e-11

# Prevention Preparedness vs Cases Growth Length



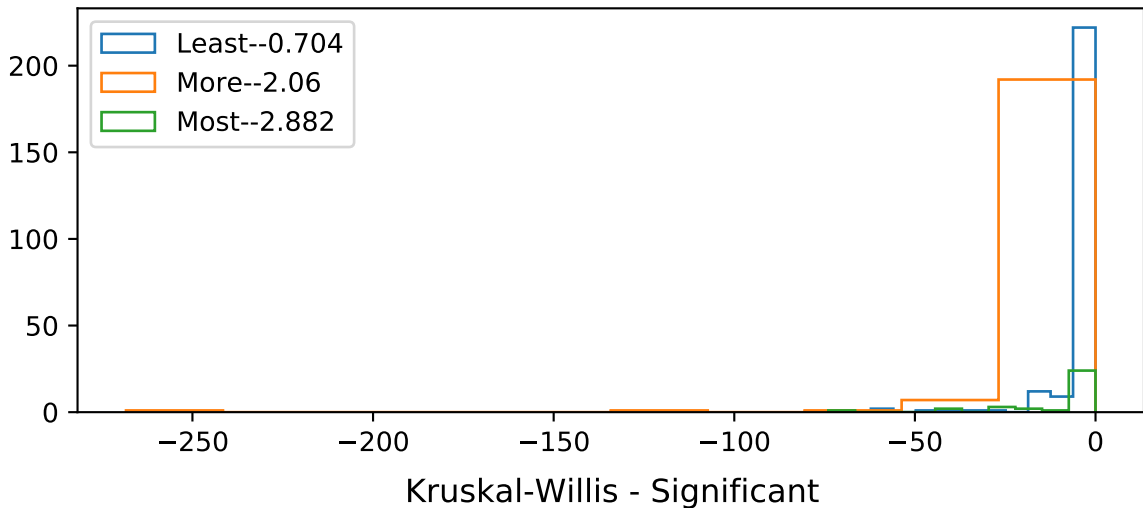
Source	ddof1	H	p-unc
x	2	28.454787645104375	6.624015972623956e-07

# Prevention Preparedness vs Cases Avg. Submission Rate



Source	ddof1	H	p-unc
x	2	41.899326853406116	7.974010001620918e-10

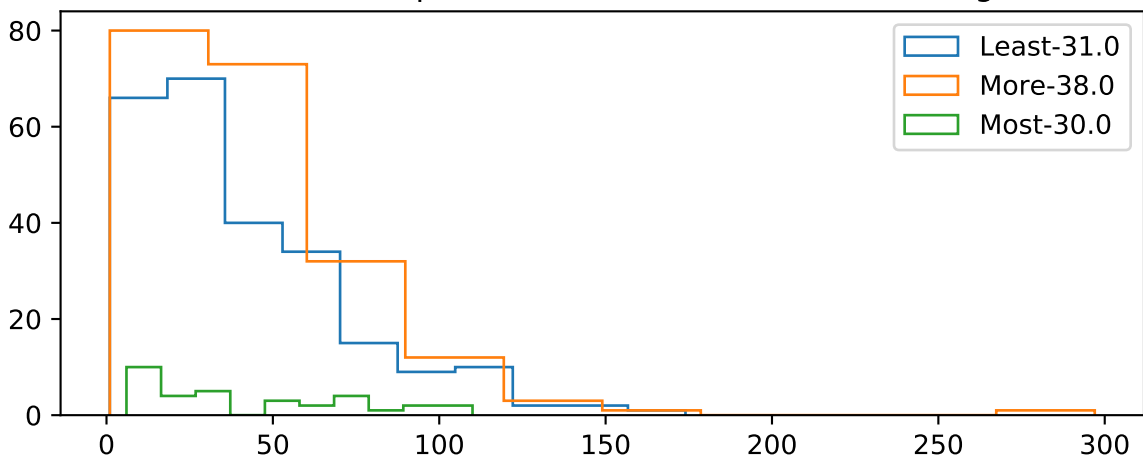
# Prevention Preparedness vs Cases Max. Submission Rate



Source	ddof1	H	p-unc
x	2	34.12038343449533	3.8980991103241204e-08



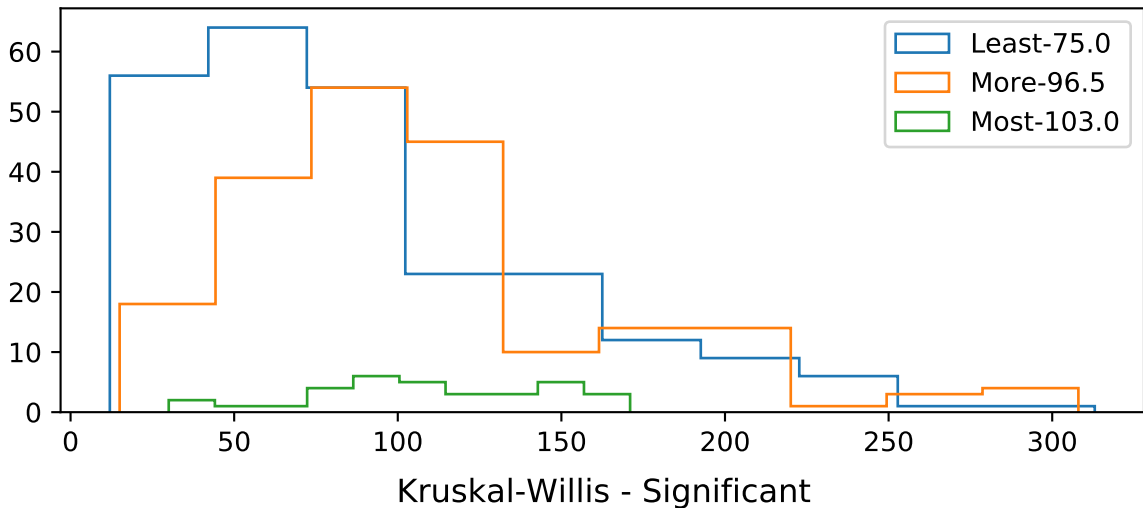
# Prevention Preparedness vs Cases Submission Length



Kruskal-Willis - Not Significant

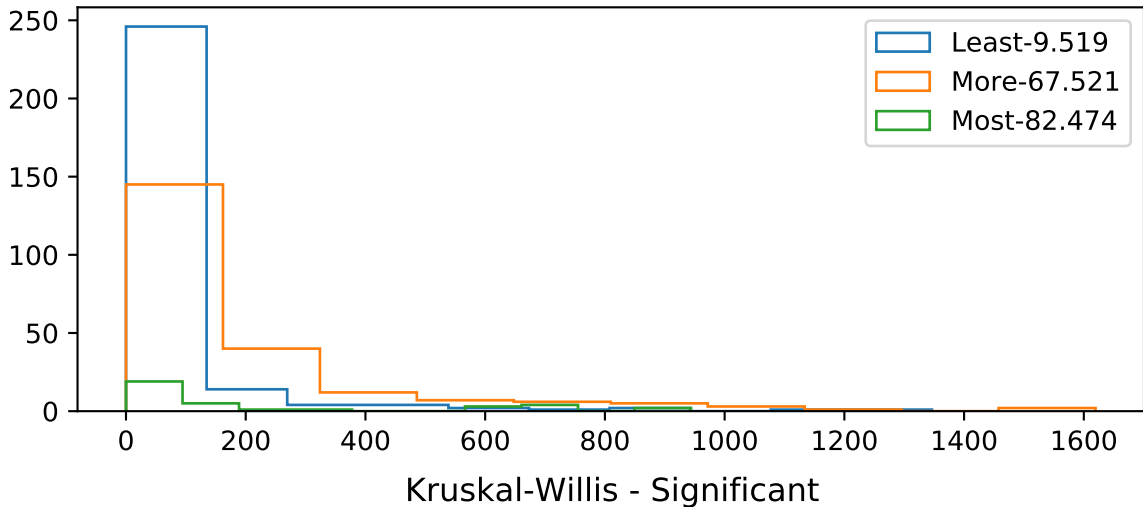
Source	ddof1	H	p-unc
x	2	2.5758276972355474	0.2758456390241501

# Prevention Preparedness vs Cases Total Length



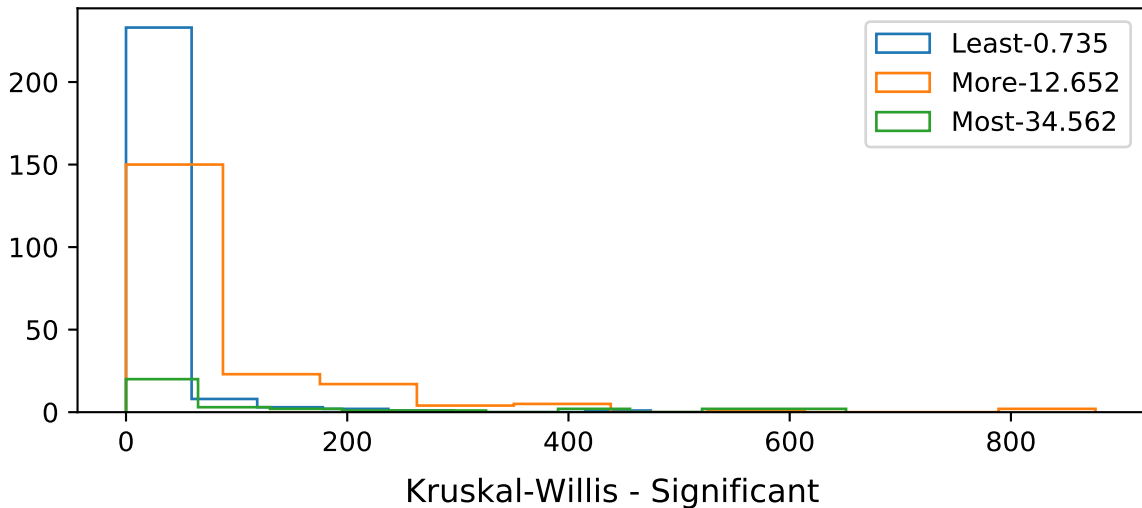
Source	ddof1	H	p-unc
x	2	25.172563053726048	3.4185928912379776e-06

# Prevention Preparedness vs Cases Peak Value



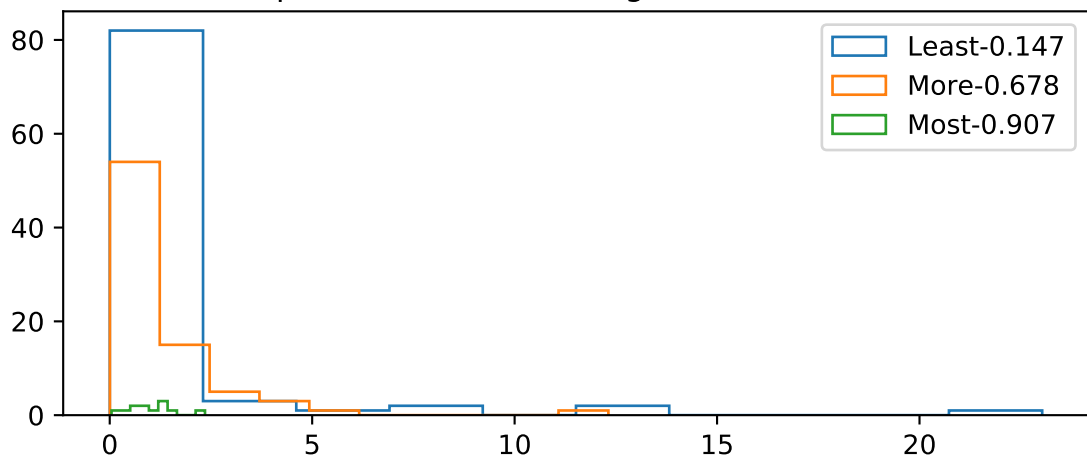
Source	ddof1	H	p-unc
x	2	78.14140530593909	1.0759929696430204e-17

# Prevention Preparedness vs Cases Valley Value



Source	ddof1	H	p-unc
x	2	81.73263140124577	1.786424208967586e-18

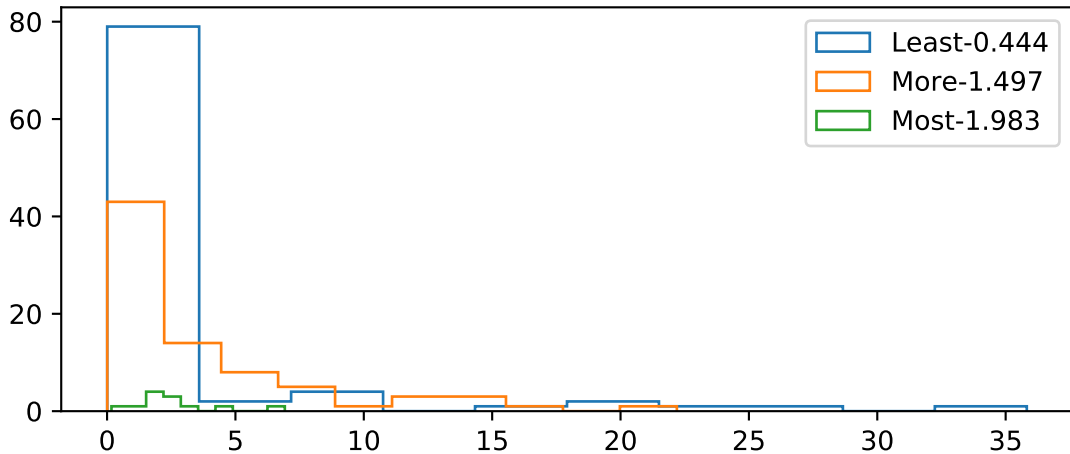
# Prevention Preparedness vs Cases Avg. Growth Rate(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Prevention Preparedness	2	19.042336109405824	7.328401460054607e-05

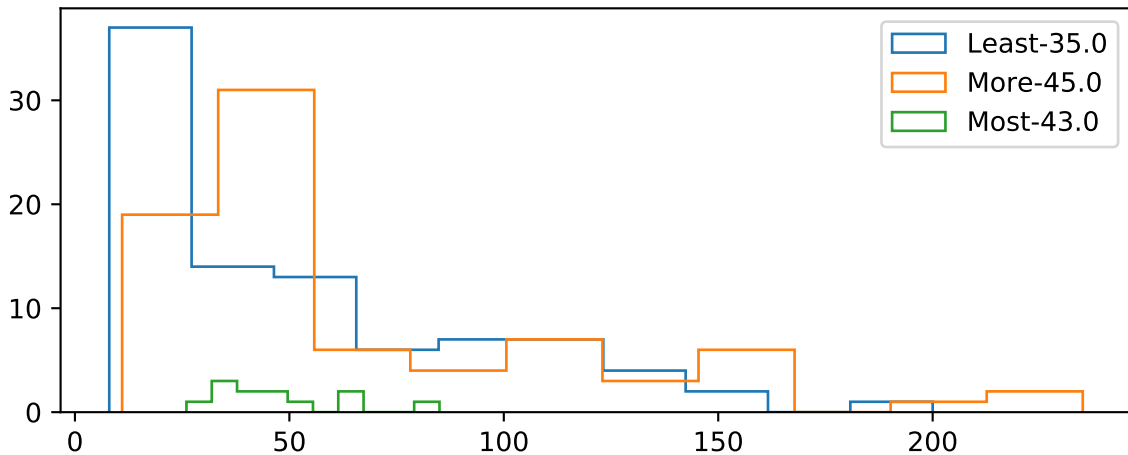
# Prevention Preparedness vs Cases Max. Growth Rate(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Prevention Preparedness	2	17.417517030817407	0.000165133137513128

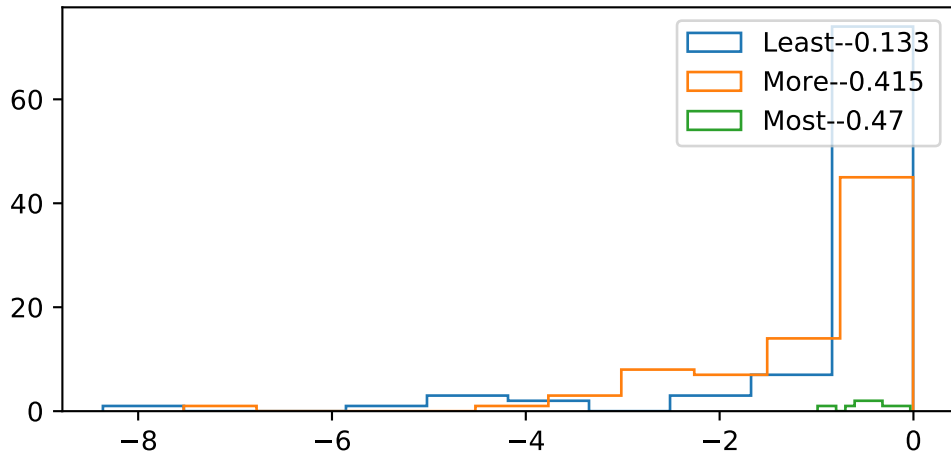
# Prevention Preparedness vs Cases Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Prevention Preparedness	2	5.313168487421307	0.07018755634464004

# Prevention Preparedness vs Cases Avg. Submission Rate(First Outbreak)

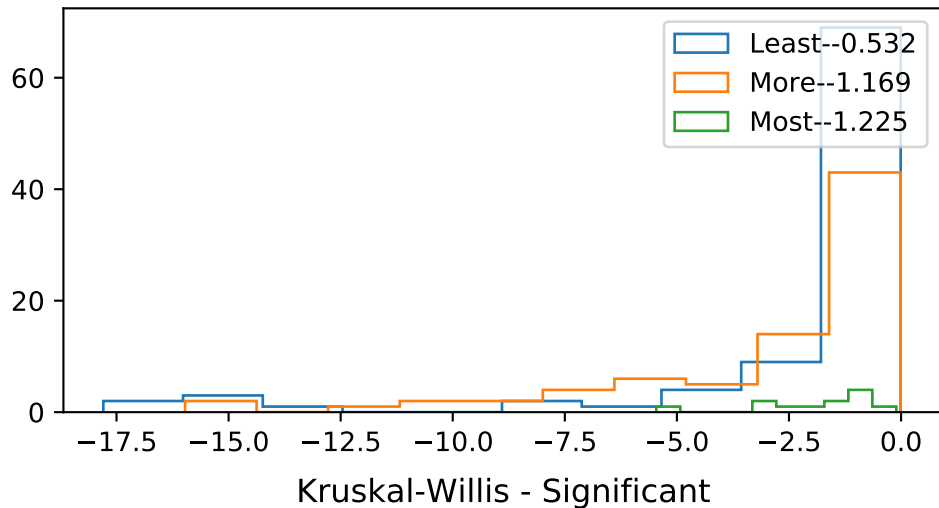


Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Prevention Preparedness	2	12.687183434775875	0.0017579767283323053

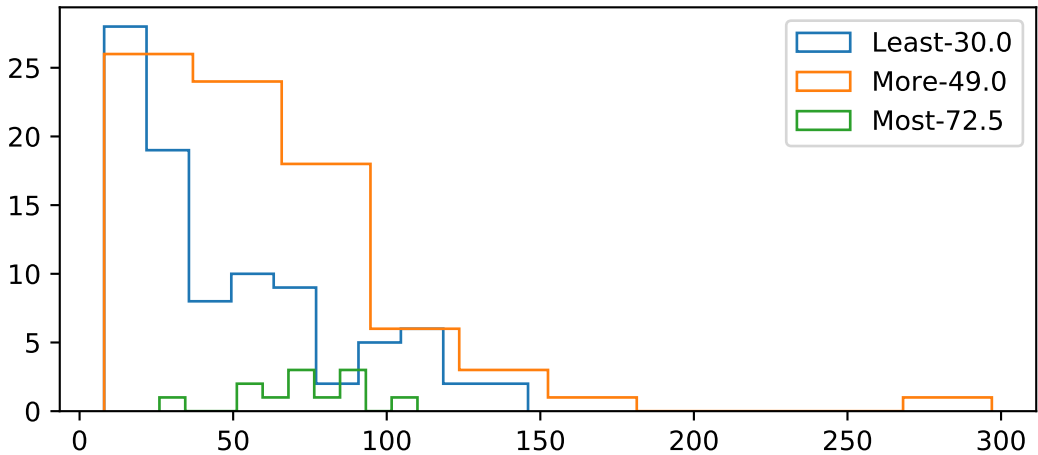


# Prevention Preparedness vs Cases Max. Submission Rate(First Outbreak)



Source	ddof1	H	p-unc
Prevention Preparedness	2	11.299885376031966	0.003517718376554353

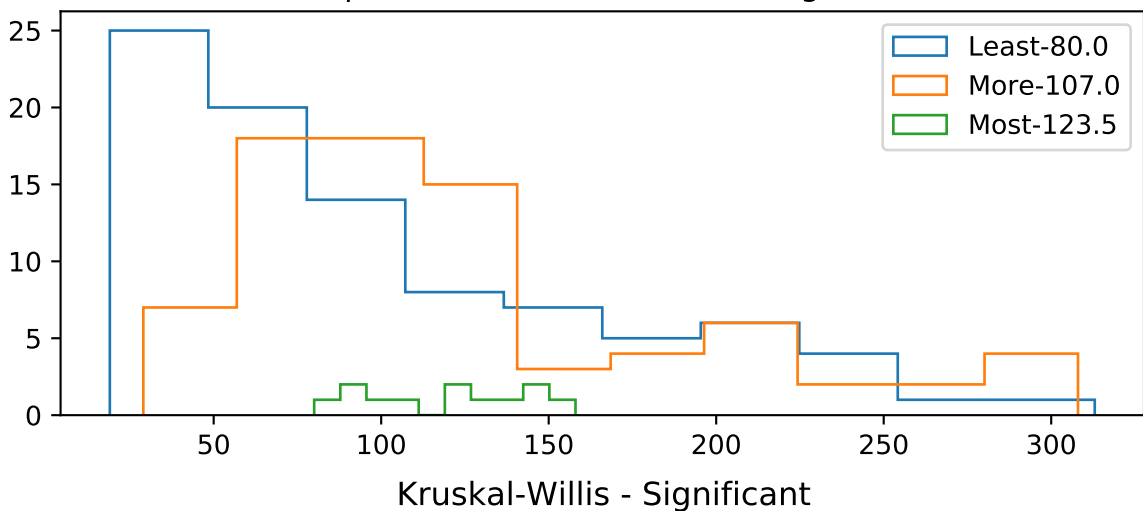
# Prevention Preparedness vs Cases Submission Length(First Outbreak)



Kruskal-Willis - Significant

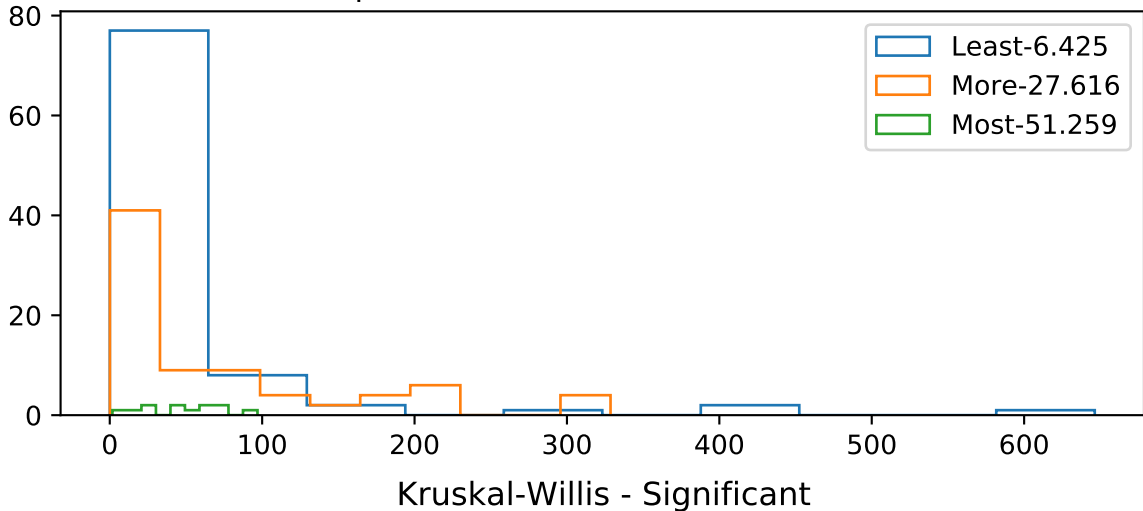
Source	ddof1	H	p-unc
Prevention Preparedness	2	11.90692400707789	0.0025968346874161493

# Prevention Preparedness vs Cases Total Length(First Outbreak)



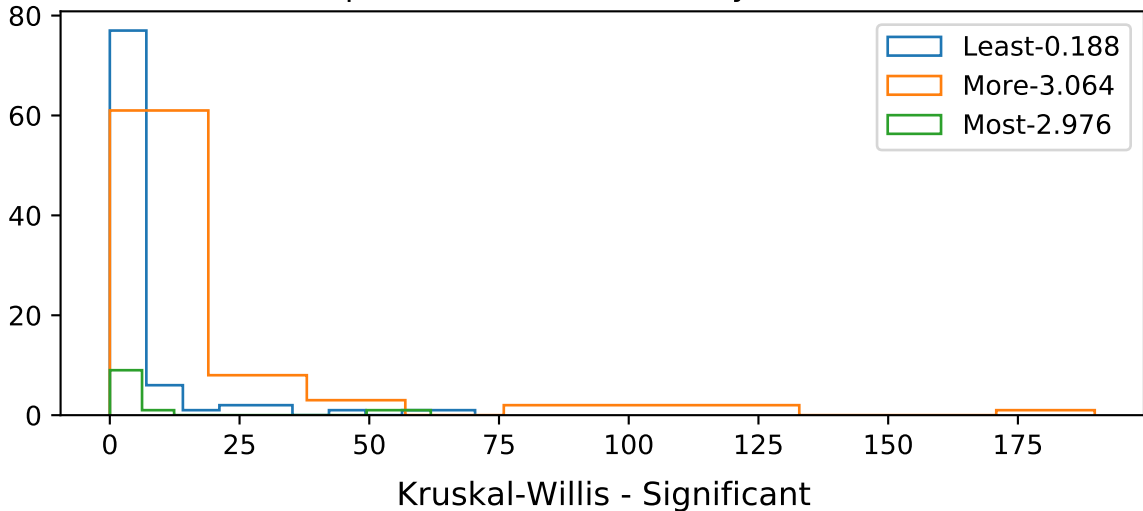
Source	ddof1	H	p-unc
Prevention Preparedness	2	10.965719017068476	0.00415742449367964

# Prevention Preparedness vs Cases Peak Value(First Outbreak)



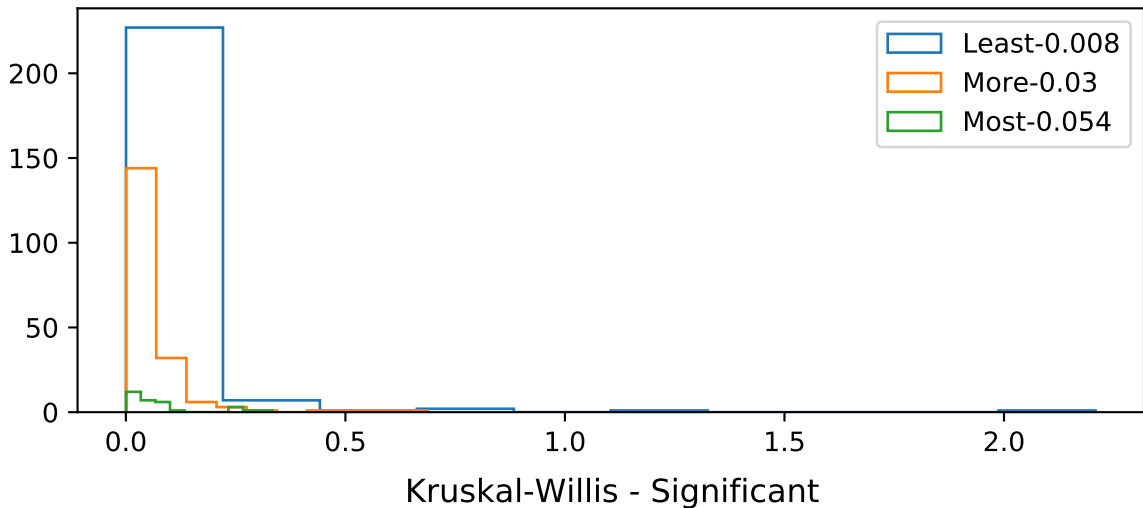
Source	ddof1	H	p-unc
Prevention Preparedness	2	22.333868894206944	1.4133899205040714e-05

# Prevention Preparedness vs Cases Valley Value(First Outbreak)



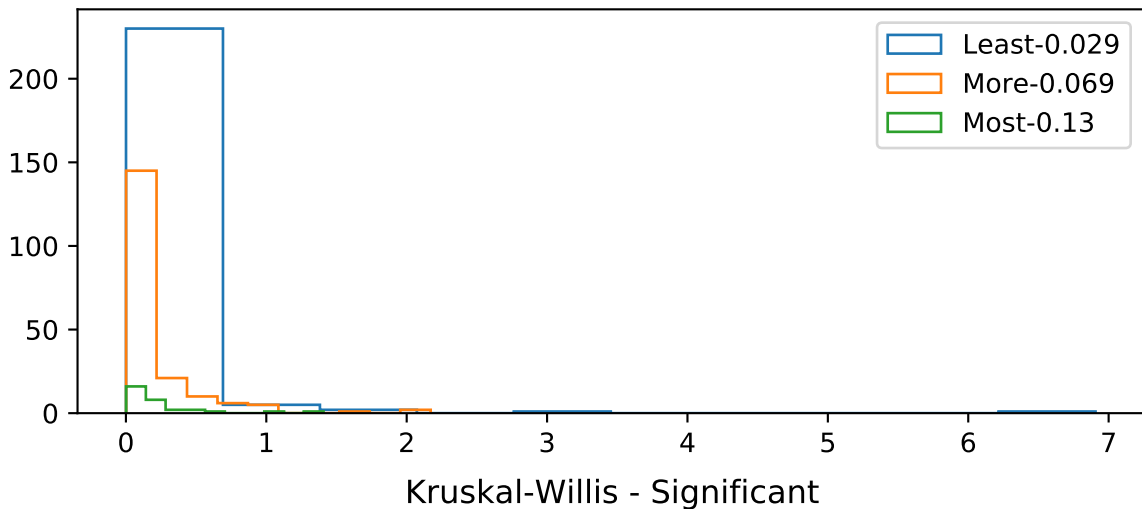
Source	ddof1	H	p-unc
Prevention Preparedness	2	24.002151734400258	6.137605551444635e-06

Prevention Preparedness vs Deaths Avg. Growth Rate



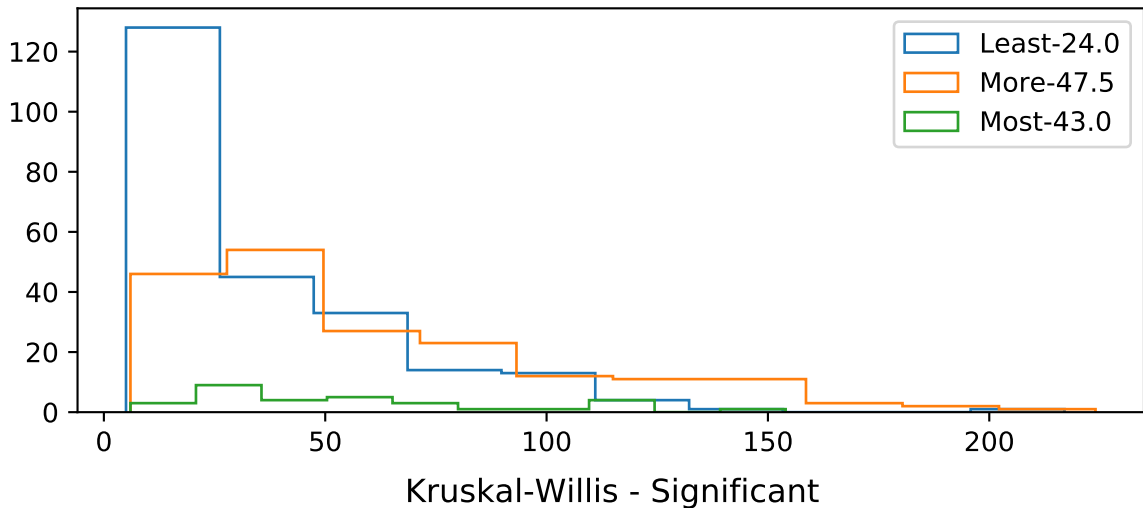
Source	ddof1	H	p-unc
x	2	30.147763632891937	2.841164020324627e-07

# Prevention Preparedness vs Deaths Max. Growth Rate



Source	ddof1	H	p-unc
x	2	31.193539127570173	1.6842596445729827e-07

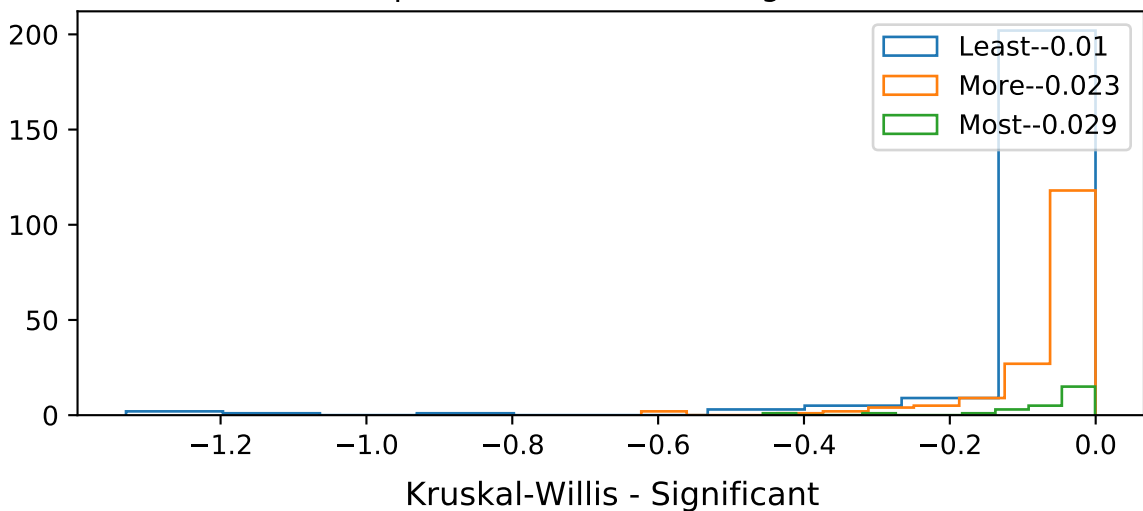
# Prevention Preparedness vs Deaths Growth Length



Source	ddof1	H	p-unc
x	2	58.87114025731195	1.6454864919243973e-13

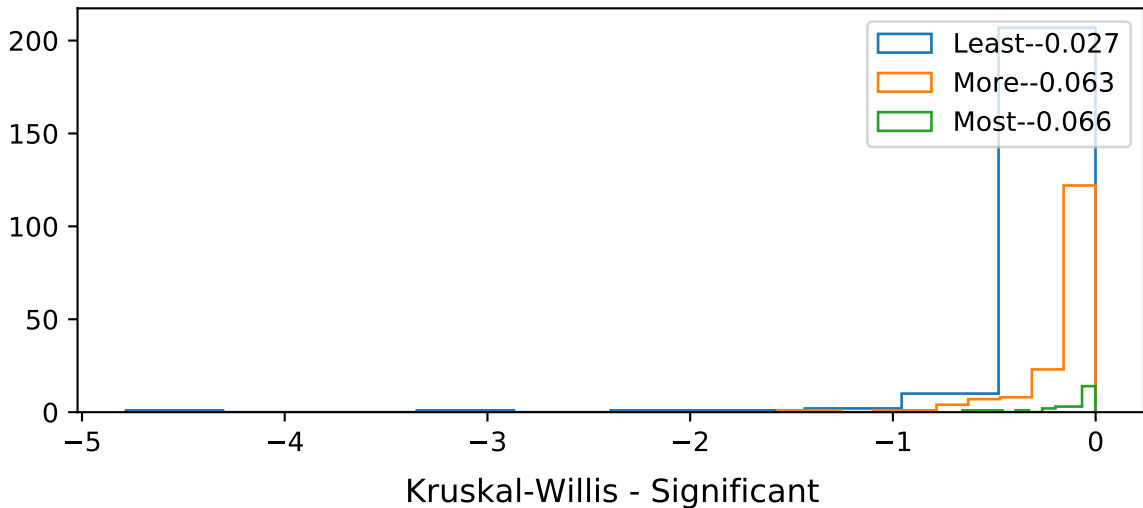


# Prevention Preparedness vs Deaths Avg. Submission Rate



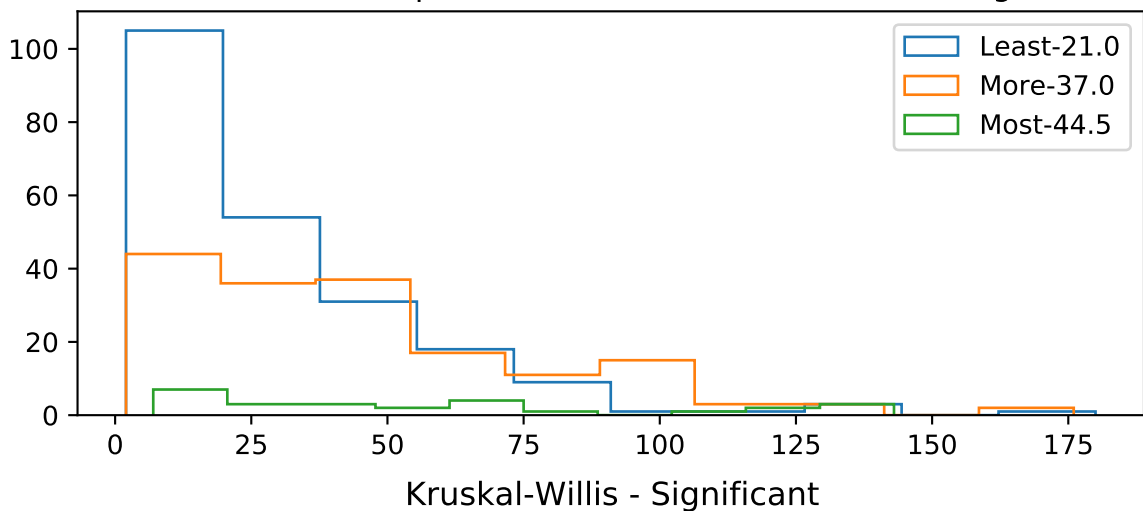
Source	ddof1	H	p-unc
x	2	17.40144593618572	0.00016644654182868506

# Prevention Preparedness vs Deaths Max. Submission Rate



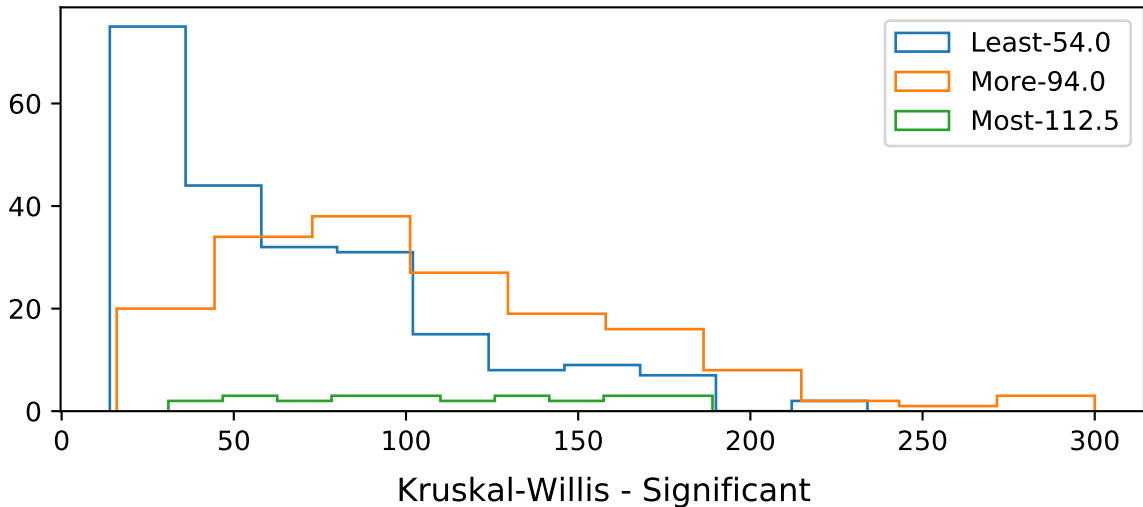
Source	ddof1	H	p-unc
x	2	18.069448369203975	0.00011919804736873299

Prevention Preparedness vs Deaths Submission Length



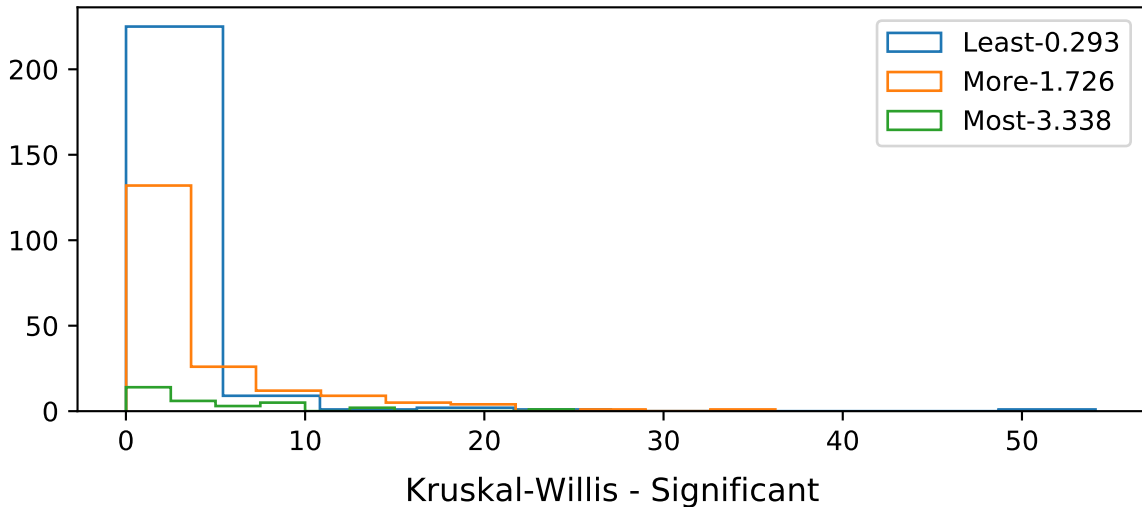
Source	ddof1	H	p-unc
x	2	27.711541925333155	9.605392776374757e-07

Prevention Preparedness vs Deaths Total Length



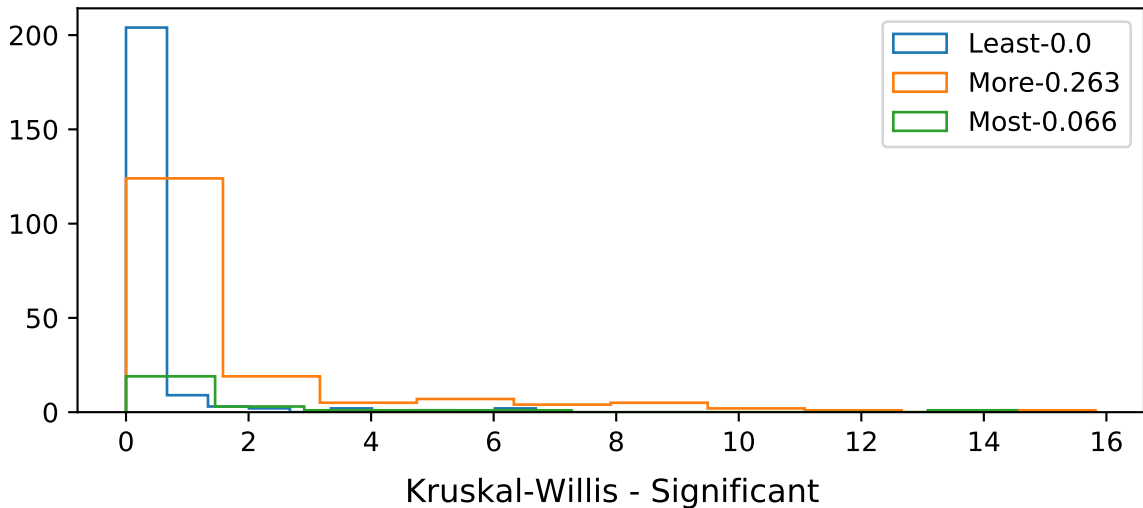
Source	ddof1	H	p-unc
x	2	65.8991101879361	4.899931870021311e-15

Prevention Preparedness vs Deaths Peak Value



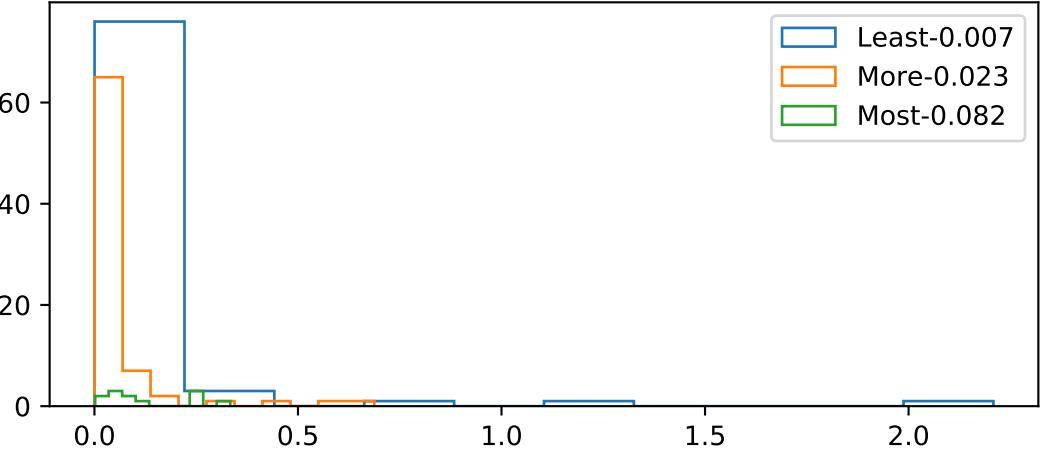
Source	ddof1	H	p-unc
x	2	69.93481959103289	6.513986877783277e-16

# Prevention Preparedness vs Deaths Valley Value



Source	ddof1	H	p-unc
x	2	66.25597335633276	4.09919132620047e-15

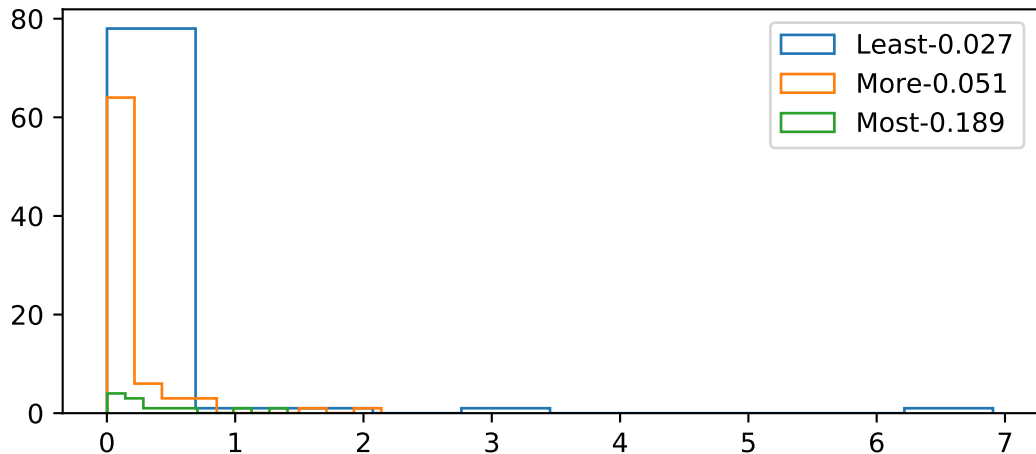
# Prevention Preparedness vs Deaths Avg. Growth Rate(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Prevention Preparedness	2	15.847155867093647	0.00036210442041554556

# Prevention Preparedness vs Deaths Max. Growth Rate(First Outbreak)

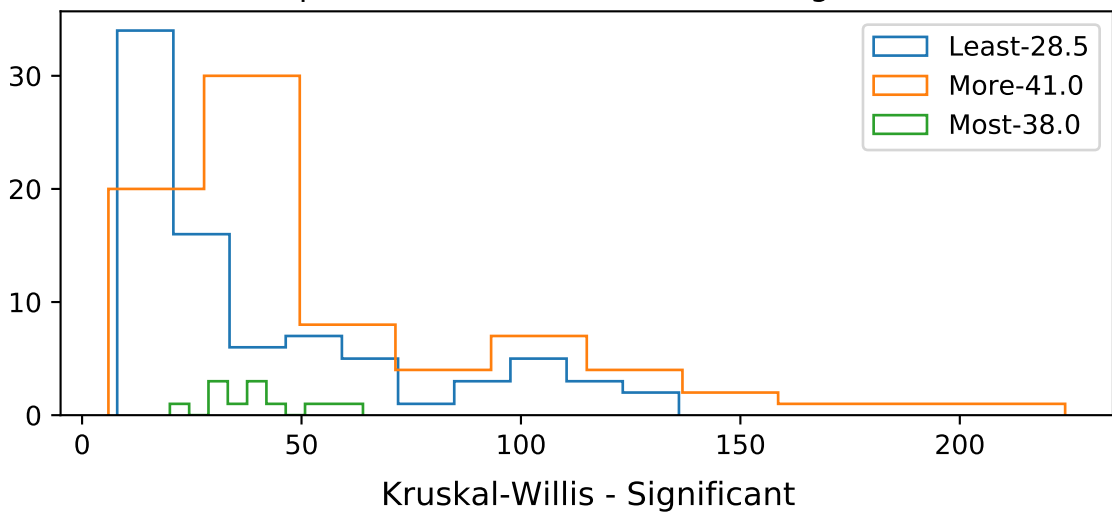


Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Prevention Preparedness	2	13.686495062909444	0.0010666338419875702

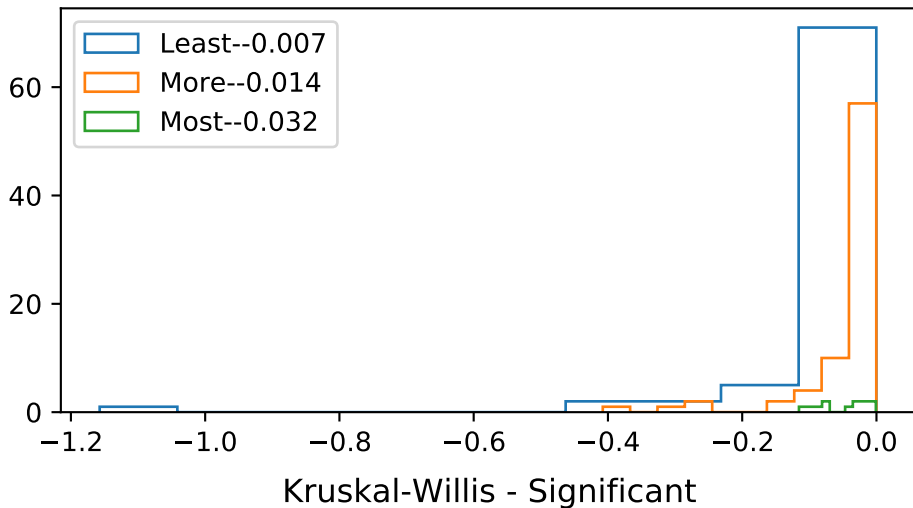


# Prevention Preparedness vs Deaths Growth Length(First Outbreak)



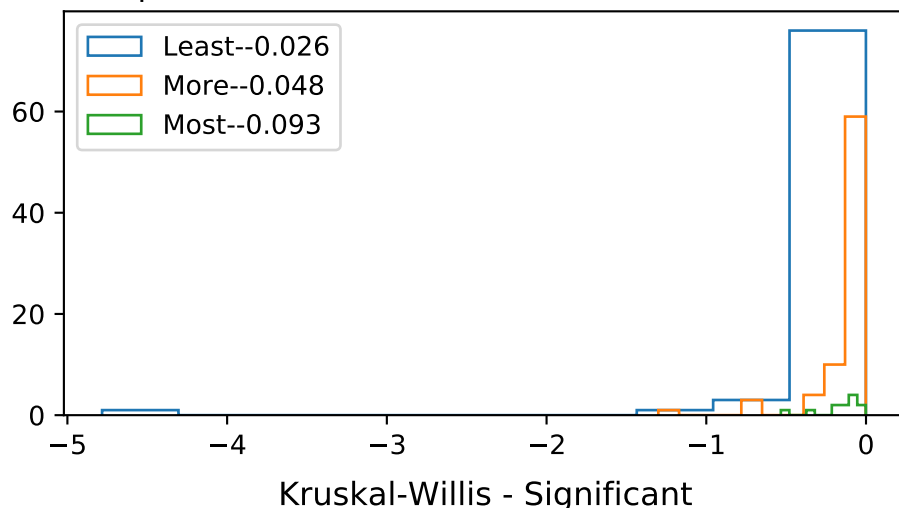
Source	ddof1	H	p-unc
Prevention Preparedness	2	10.531952187526858	0.005164349677816586

# Prevention Preparedness vs Deaths Avg. Submission Rate(First Outbreak



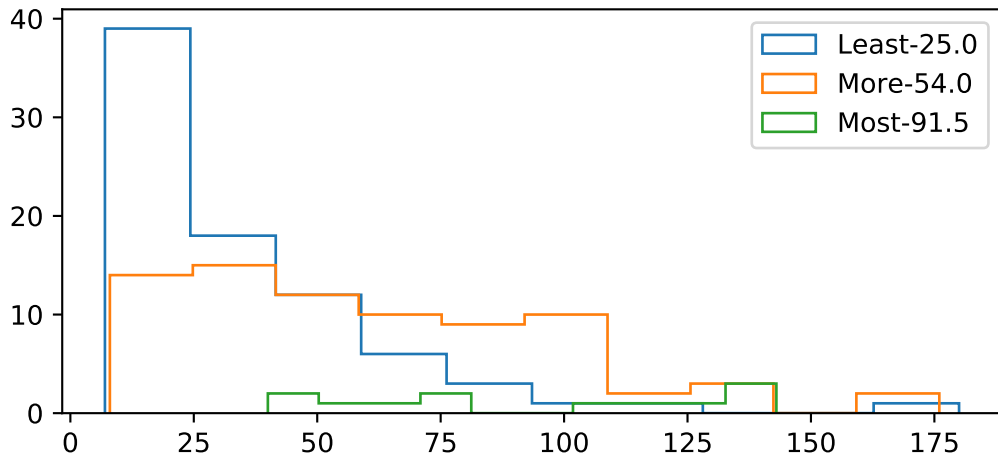
Source	ddof1	H	p-unc
Prevention Preparedness	2	6.054273681827908	0.04845417171157574

# Prevention Preparedness vs Deaths Max. Submission Rate(First Outbreak



Source	ddof1	H	p-unc
Prevention Preparedness	2	8.200867885697562	0.016565485367930195

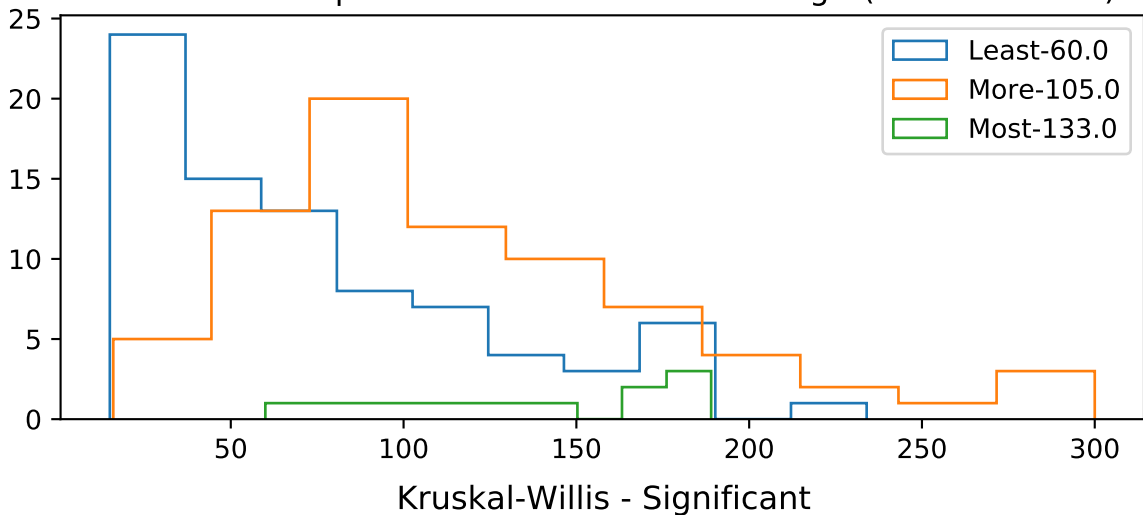
# Prevention Preparedness vs Deaths Submission Length(First Outbreak)



Kruskal-Willis - Significant

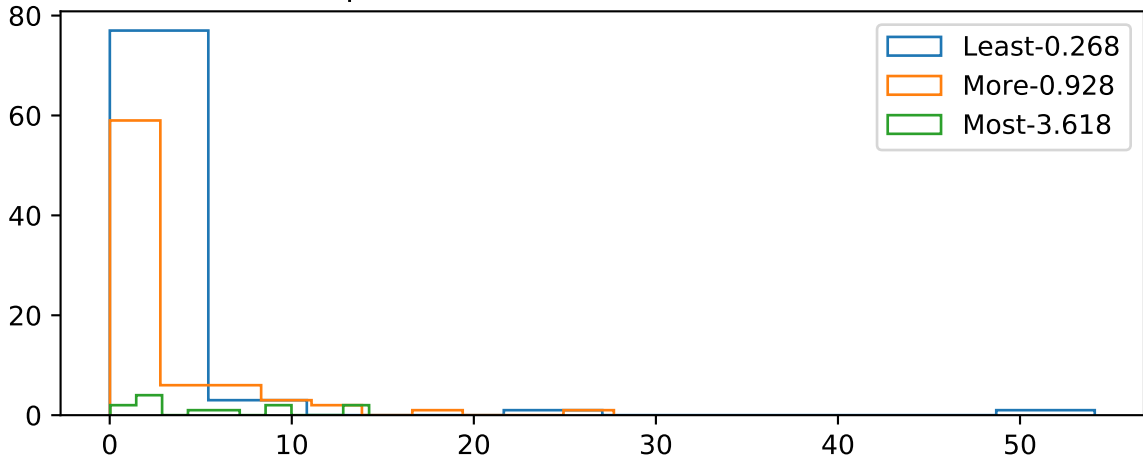
Source	ddof1	H	p-unc
Prevention Preparedness	2	38.31133889266075	4.79510876276913e-09

# Prevention Preparedness vs Deaths Total Length(First Outbreak)



Source	ddof1	H	p-unc
Prevention Preparedness	2	29.32660071558085	4.2836064923289423e-07

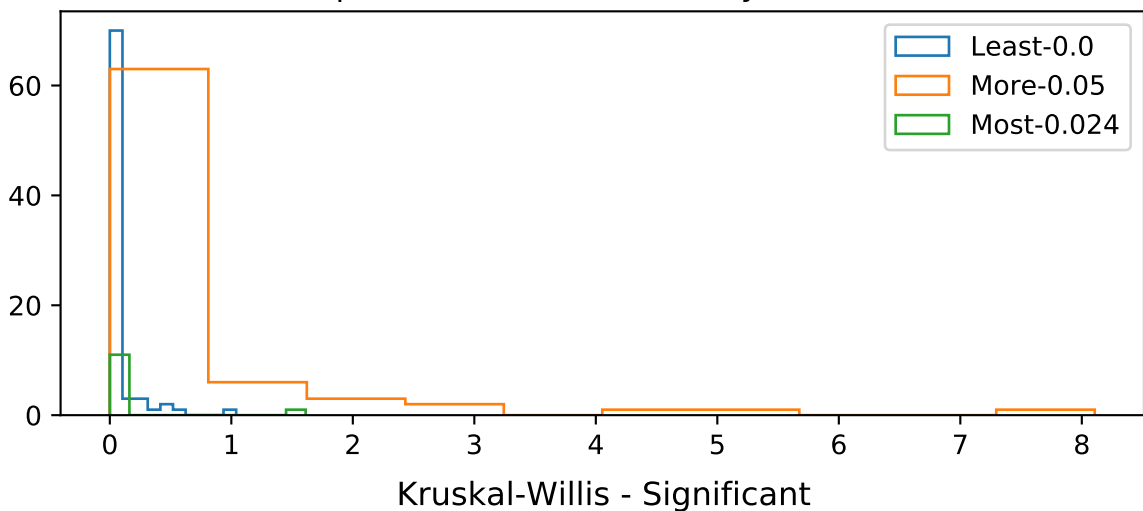
# Prevention Preparedness vs Deaths Peak Value(First Outbreak)



Kruskal-Willis - Significant

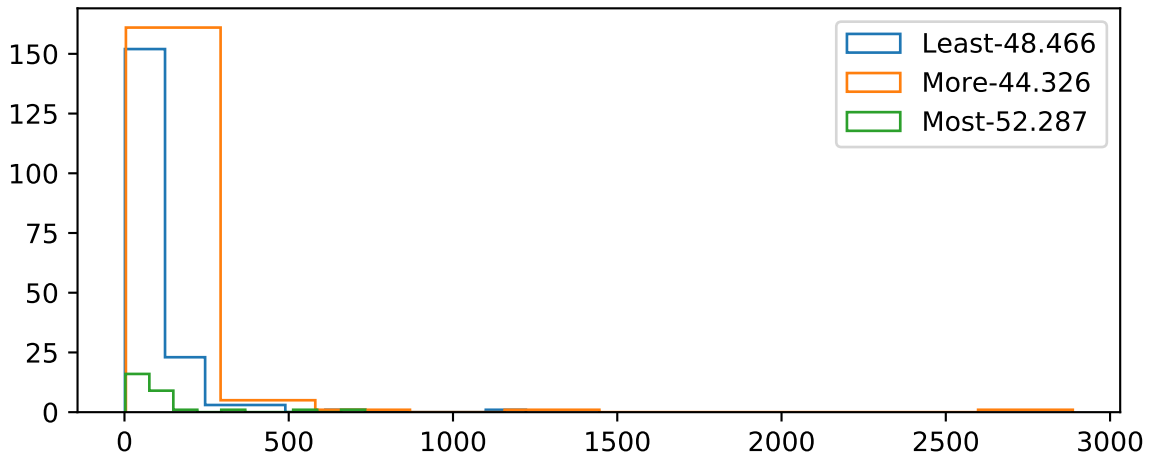
Source	ddof1	H	p-unc
Prevention Preparedness	2	22.247554342548938	1.475723375580809e-05

# Prevention Preparedness vs Deaths Valley Value(First Outbreak)



Source	ddof1	H	p-unc
Prevention Preparedness	2	20.515516376069744	3.50842520387572e-05

# Prevention Preparedness vs Case-Death Pair Peak Ratio

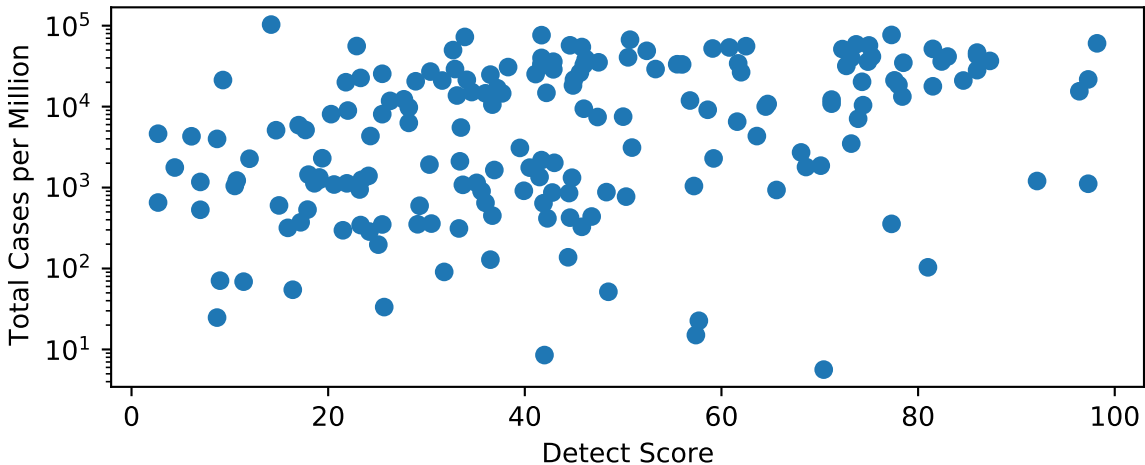


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	0.04582294403621745	0.9773490026783591



# Detect Score vs Total Cases per Million



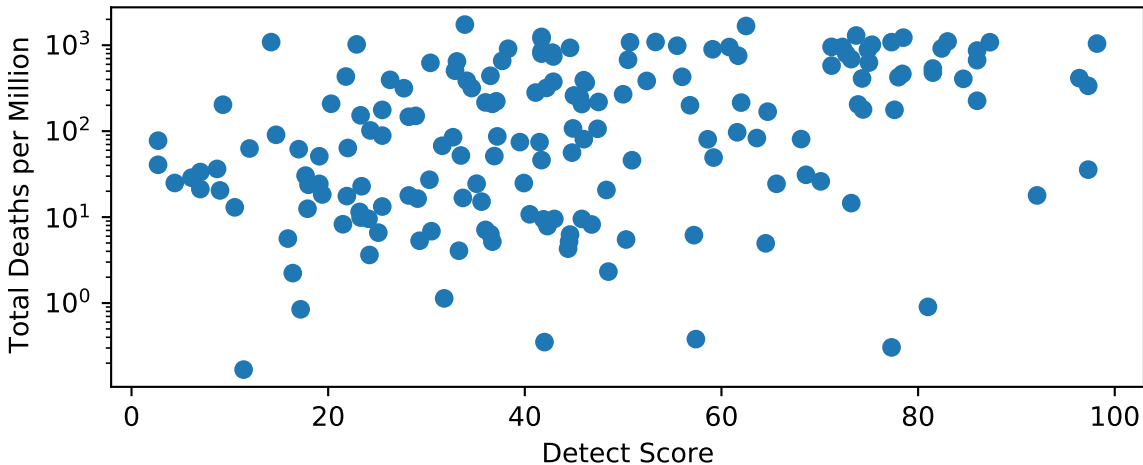
## Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Total Cases per Million	0.809	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.391	Moderate
P-Value	0.0	Significant

# Detect Score vs Total Deaths per Million



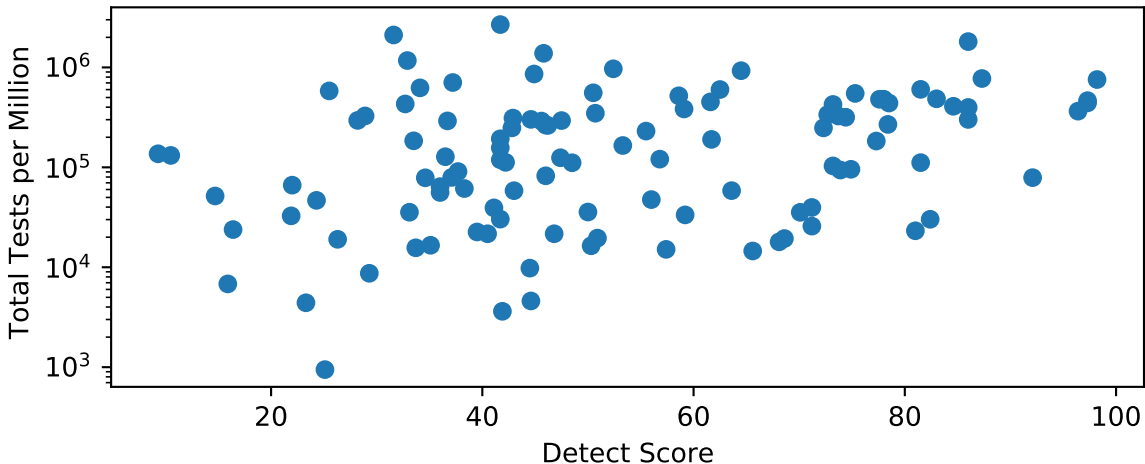
## Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Total Deaths per Million	0.754	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.407	Relatively Strong
P-Value	0.0	Significant

Detect Score vs Total Tests per Million



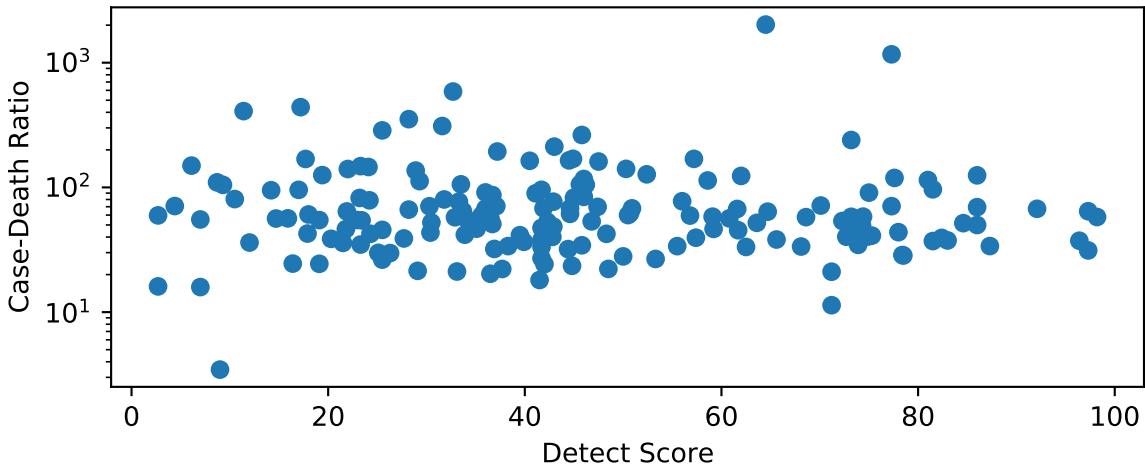
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Total Tests per Million	0.661	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.312	Moderate
P-Value	0.001	Significant

Detect Score vs Case-Death Ratio



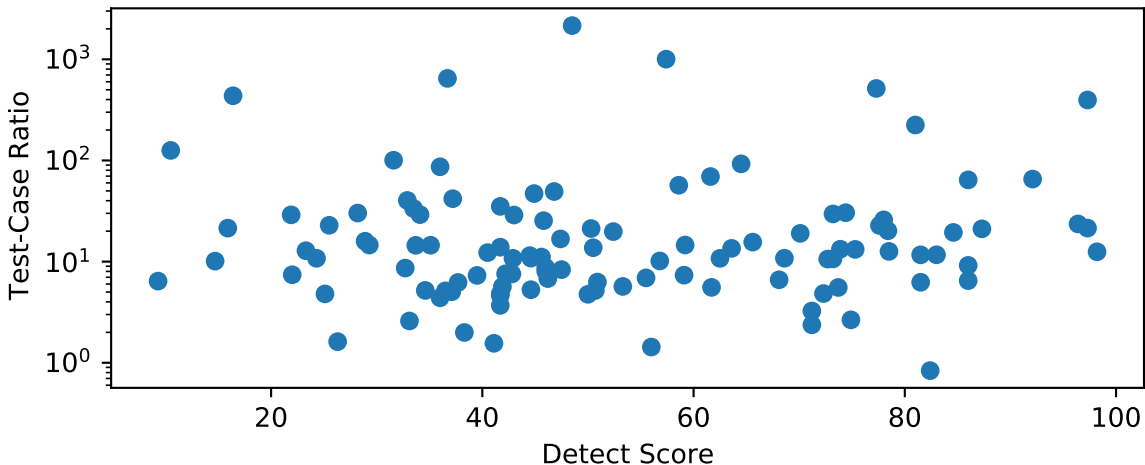
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Case-Death Ratio	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.066	Negligible
P-Value	0.39	Not Significant

Detect Score vs Test-Case Ratio



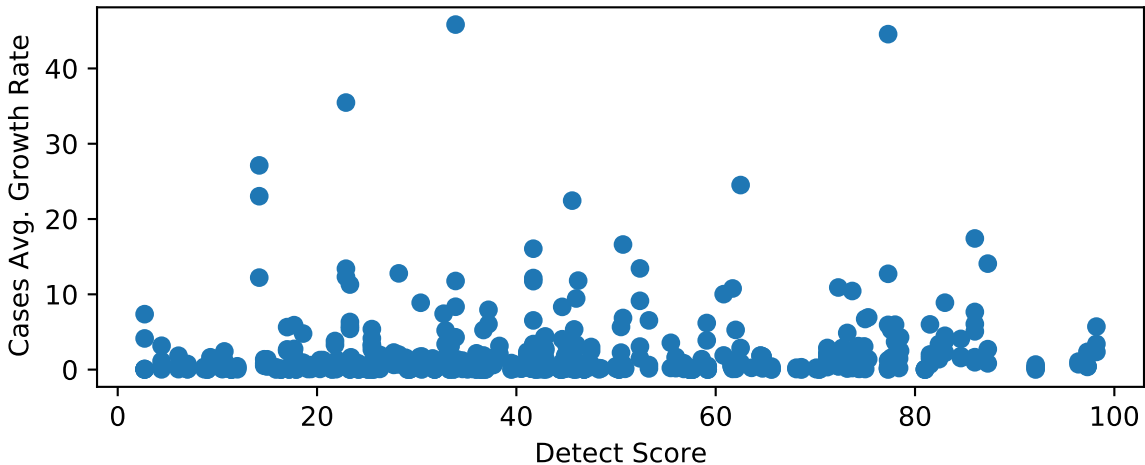
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Test-Case Ratio	0.281	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.069	Negligible
P-Value	0.471	Not Significant

# Detect Score vs Cases Avg. Growth Rate



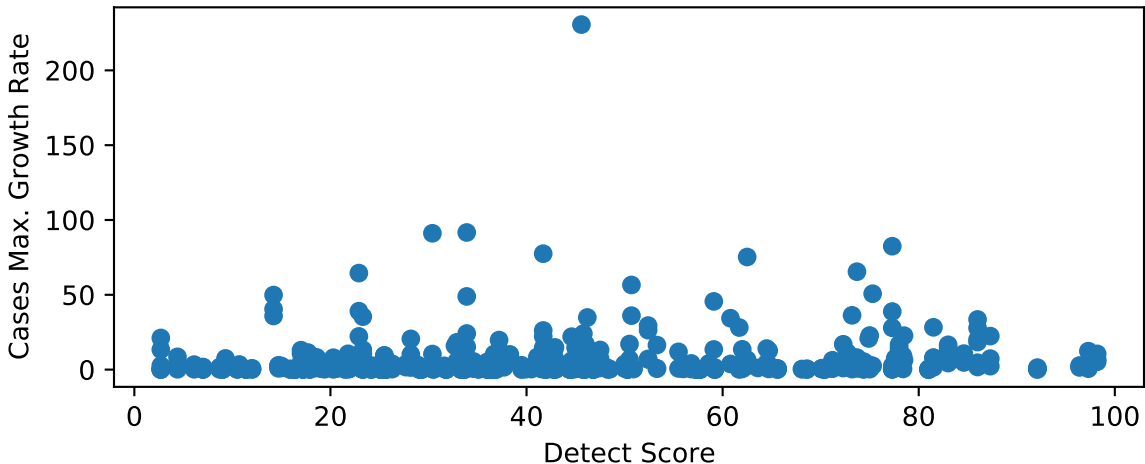
## Shapiro-Wilk Test

## Spearman Correlation Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Avg. Growth Rate	0.221	0.0

Output	Results	Outcome
Score	0.179	Weak
P-Value	0.0	Significant

# Detect Score vs Cases Max. Growth Rate



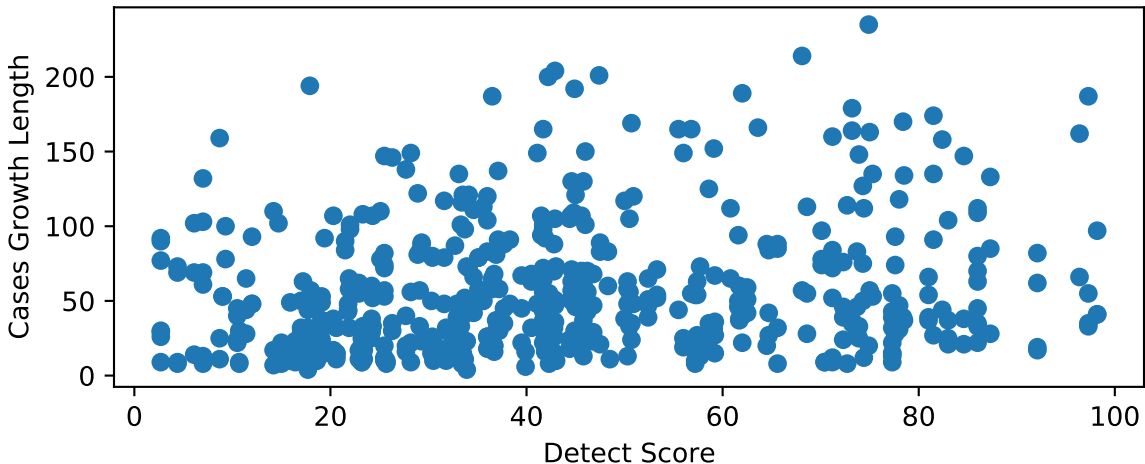
## Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Max. Growth Rate	0.318	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.166	Weak
P-Value	0.0	Significant

Detect Score vs Cases Growth Length



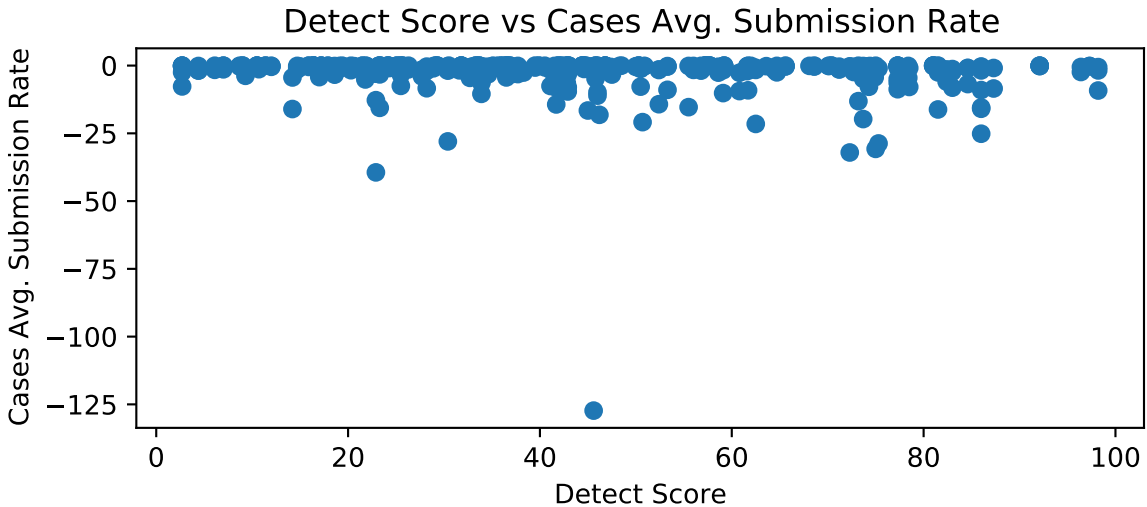
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Growth Length	0.864	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.214	Moderate
P-Value	0.0	Significant



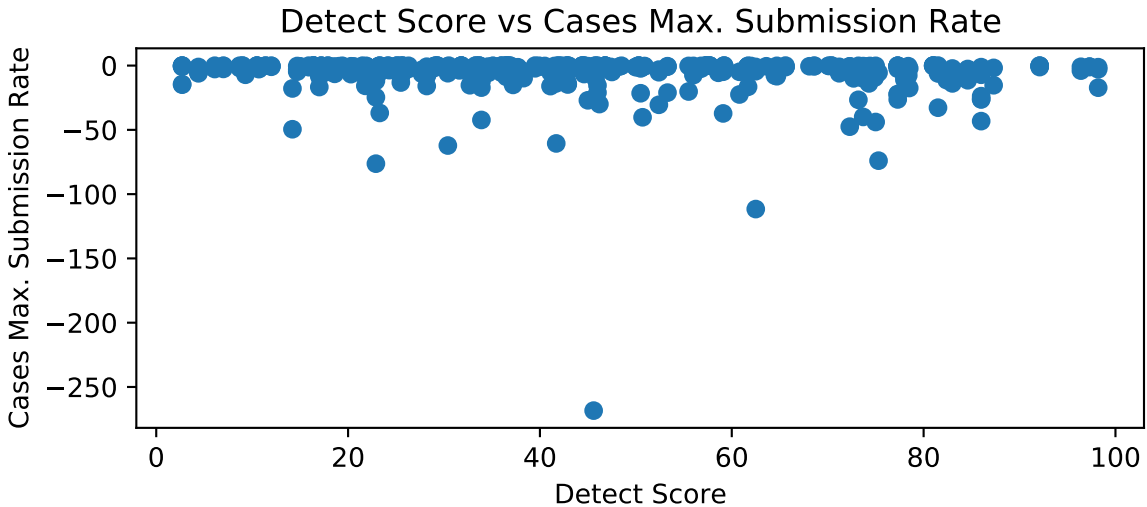


### Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Avg. Submission Rate	0.23	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.143	Weak
P-Value	0.002	Significant



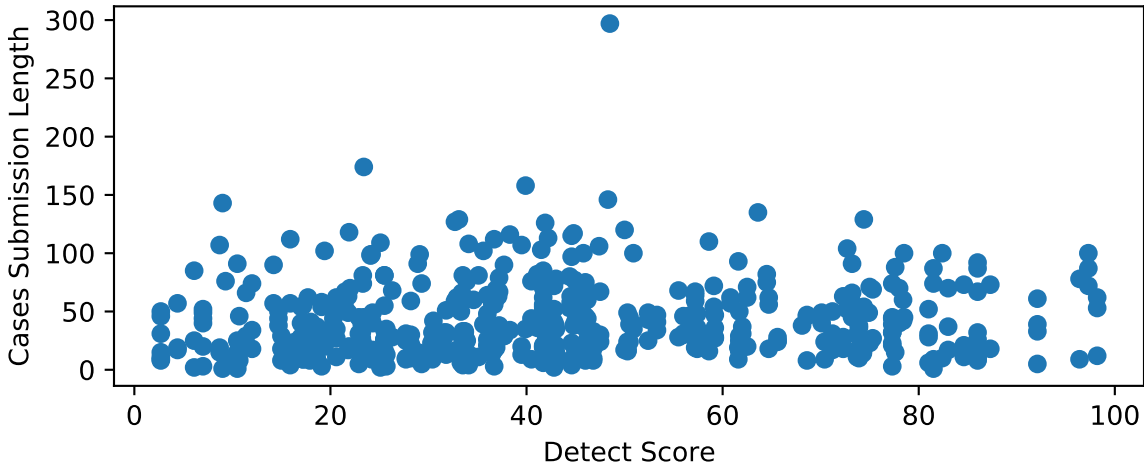
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Max. Submission Rate	0.274	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.122	Weak
P-Value	0.007	Significant

# Detect Score vs Cases Submission Length



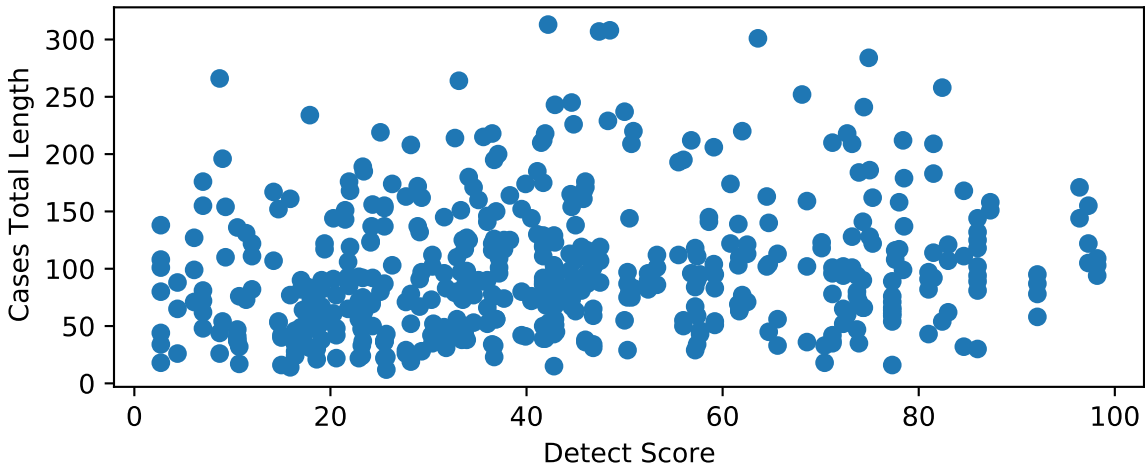
## Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Submission Length	0.855	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.103	Weak
P-Value	0.023	Significant

Detect Score vs Cases Total Length



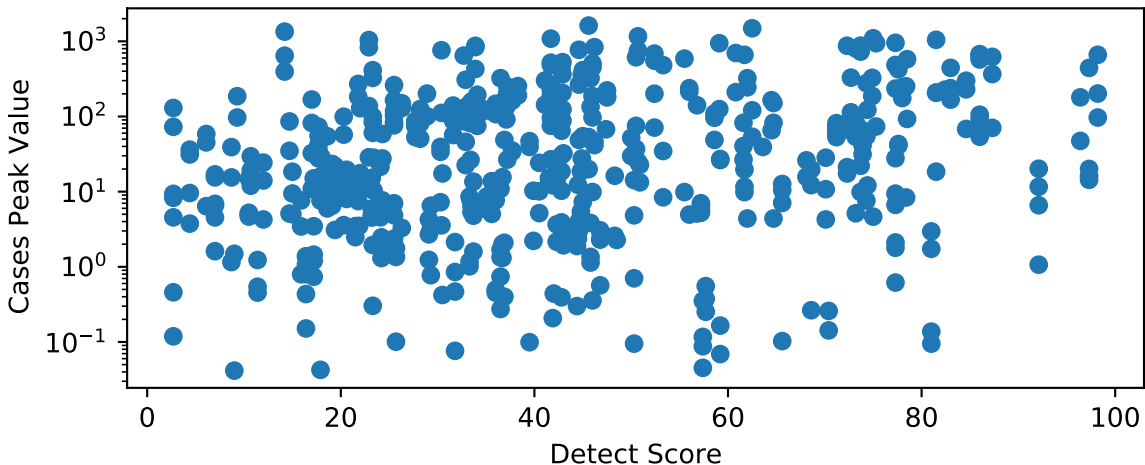
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Total Length	0.918	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.227	Moderate
P-Value	0.0	Significant

Detect Score vs Cases Peak Value



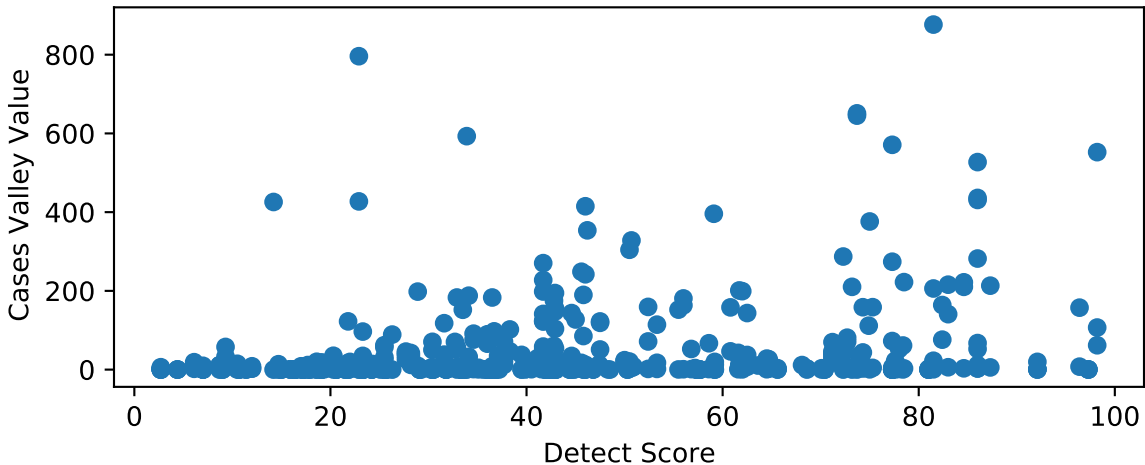
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Peak Value	0.554	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.259	Moderate
P-Value	0.0	Significant

Detect Score vs Cases Valley Value



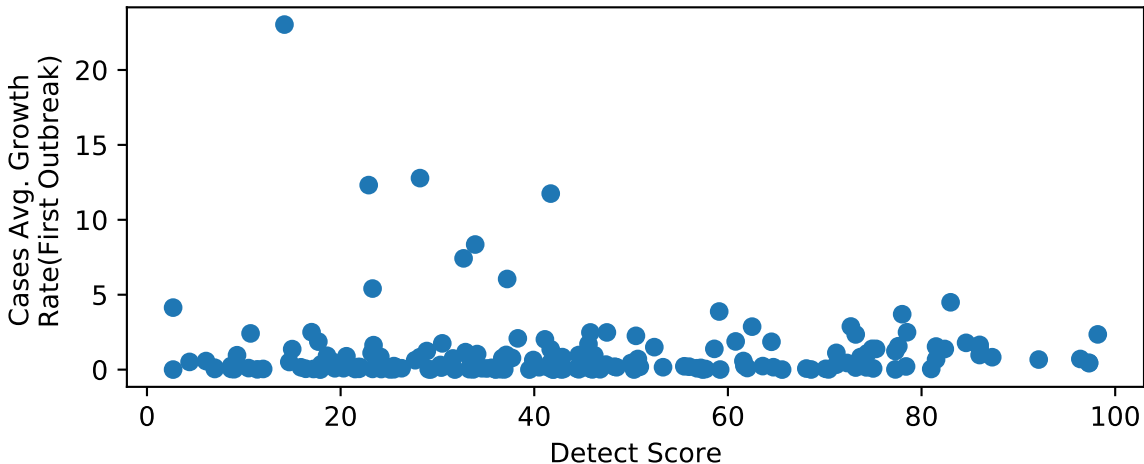
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Valley Value	0.478	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.314	Moderate
P-Value	0.0	Significant

Detect Score vs Cases Avg. Growth Rate(First Outbreak)



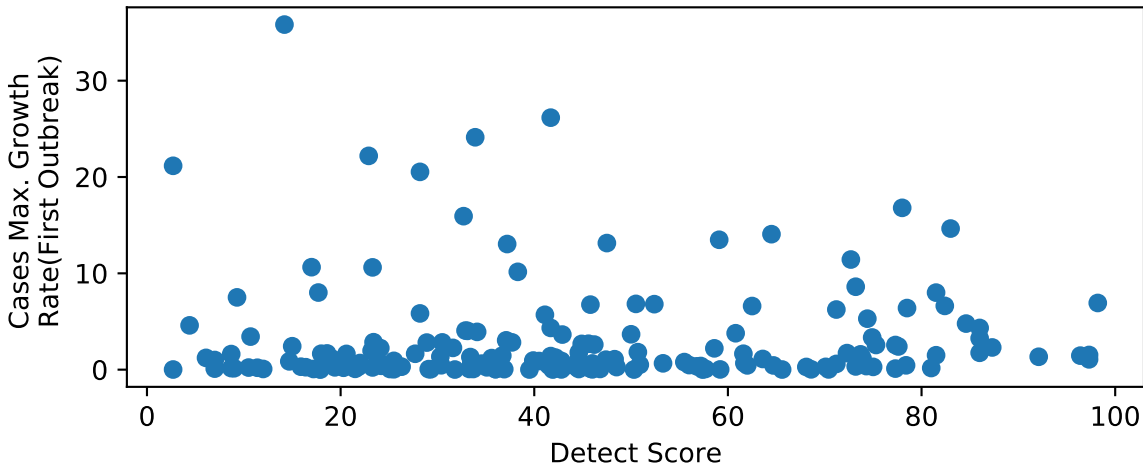
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Avg. Growth Rate(First Outbreak)	0.28	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.156	Weak
P-Value	0.035	Significant

Detect Score vs Cases Max. Growth Rate(First Outbreak)



Shapiro-Wilk Test

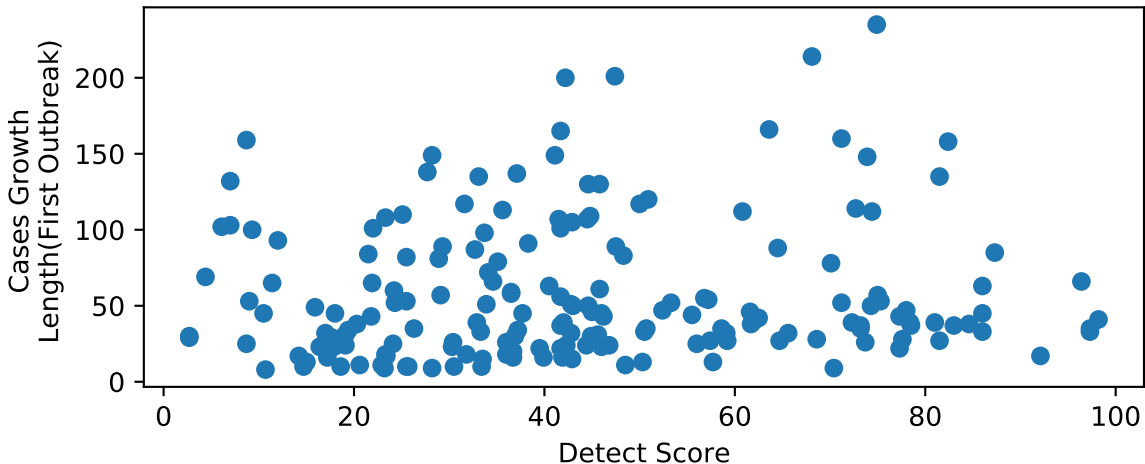
Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Max. Growth Rate(First Outbreak)	0.366	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.14	Weak
P-Value	0.059	Not Significant



Detect Score vs Cases Growth Length(First Outbreak)



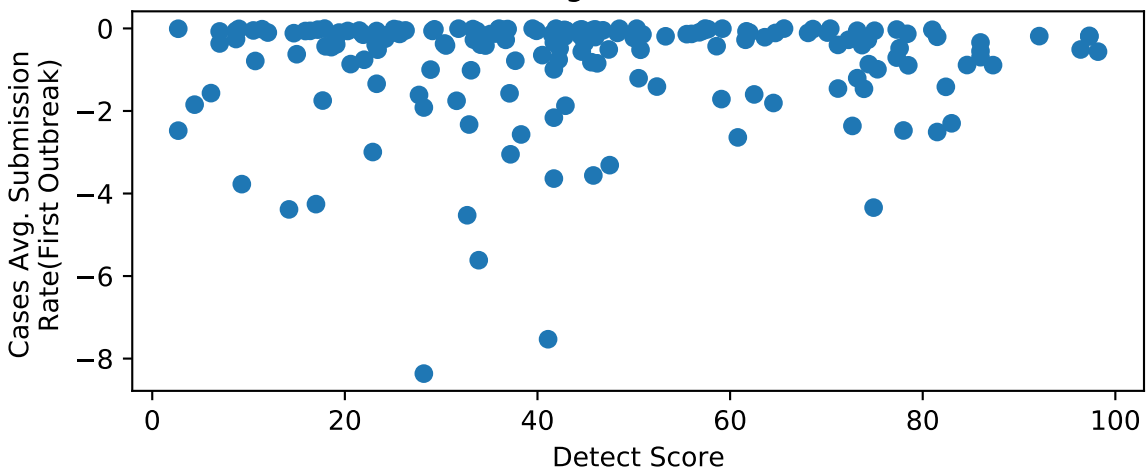
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Growth Length(First Outbreak)	0.836	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.112	Weak
P-Value	0.134	Not Significant

Detect Score vs Cases Avg. Submission Rate(First Outbreak)



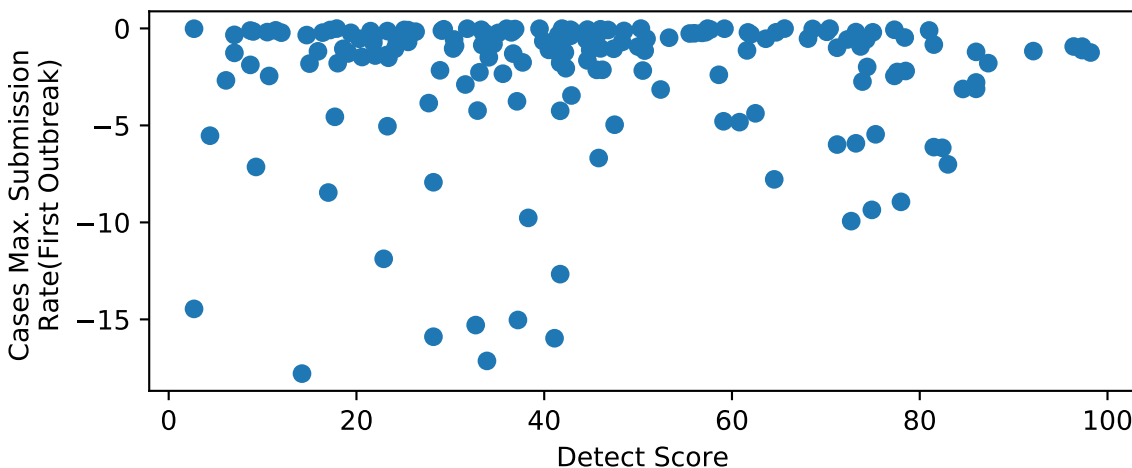
Shapiro-Wilk Test

Test	Statistic	P-Value
Shapiro-Wilk	0.985	0.99
Cases Avg. Submission Rate(First Outbreak)	0.985	0.99

Spearman Correlation Test

Output	Results	Outcome
Score	-0.071	Negligible
P-Value	0.34	Not Significant

Detect Score vs Cases Max. Submission Rate(First Outbreak)



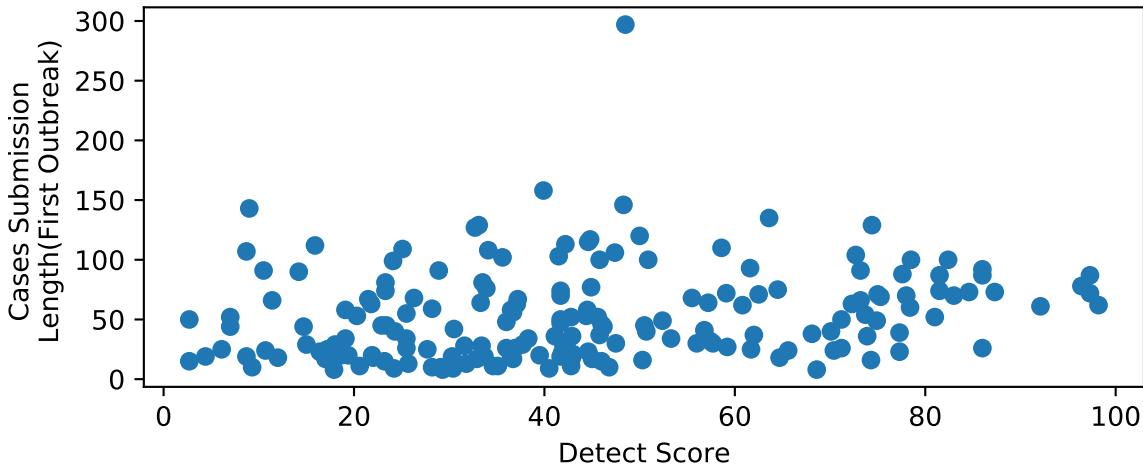
Shapiro-Wilk Test

Null	Score	P-Value
Shapiro-Wilk	0.446	0.4
Shapiro-Wilk (Normality)	0.446	0.4

Spearman Correlation Test

Output	Results	Outcome
Score	-0.057	Negligible
P-Value	0.446	Not Significant

Detect Score vs Cases Submission Length(First Outbreak)

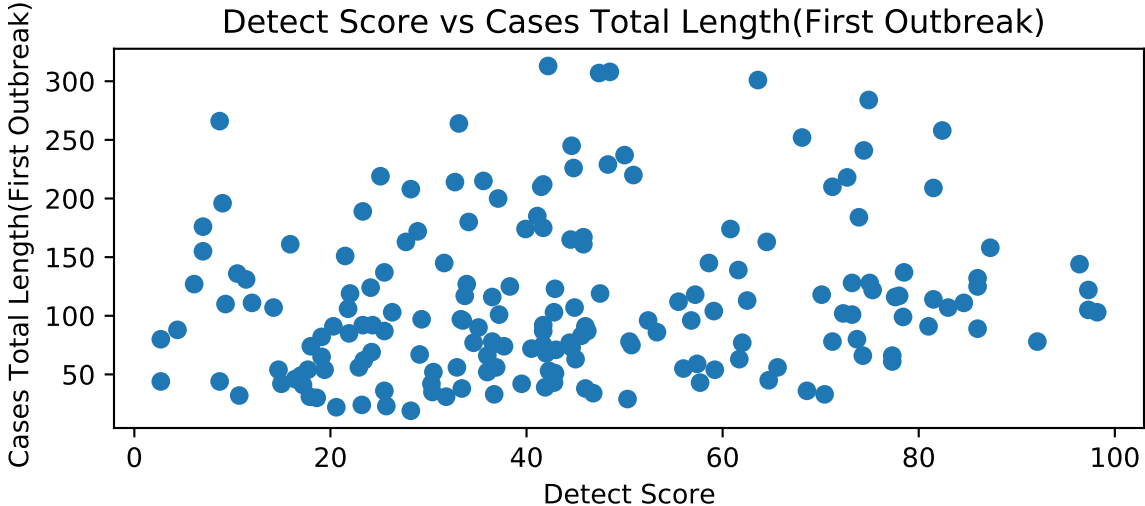


Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Submission Length(First Outbreak)	0.852	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.275	Moderate
P-Value	0.0	Significant

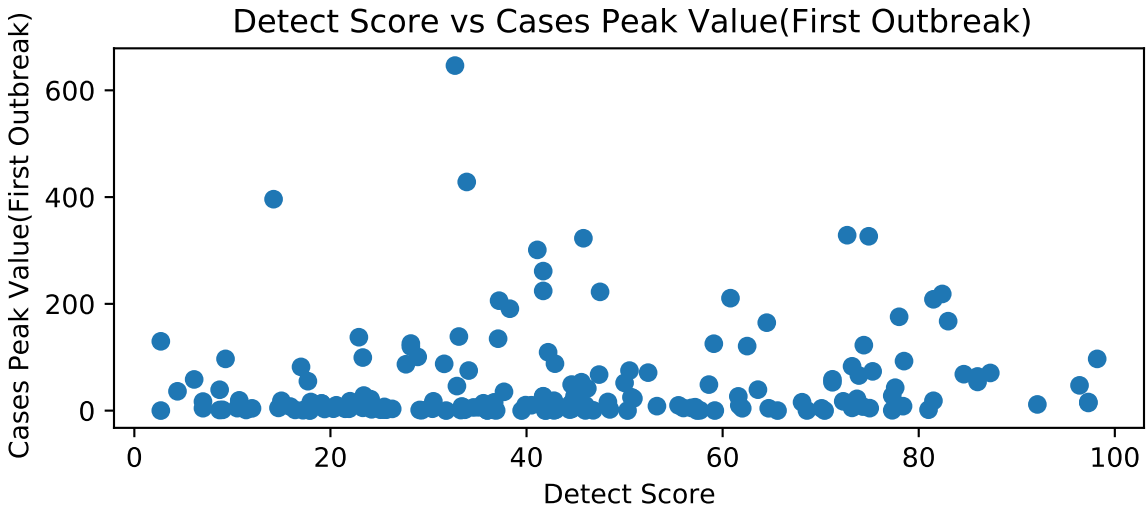


### Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Total Length(First Outbreak)	0.903	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	0.208	Moderate
P-Value	0.005	Significant

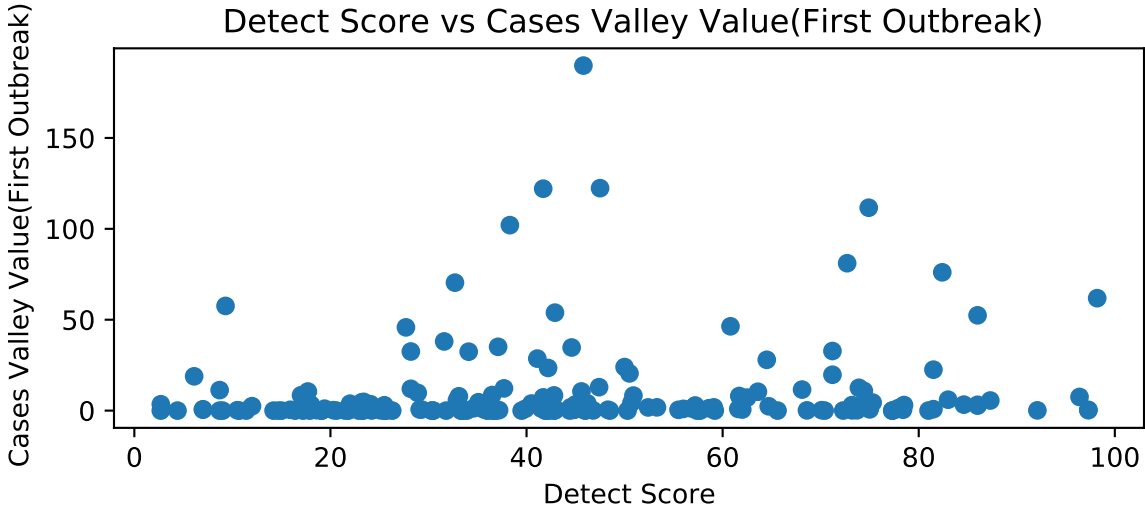


Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Peak Value(First Outbreak)	0.592	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.195	Weak
P-Value	0.009	Significant



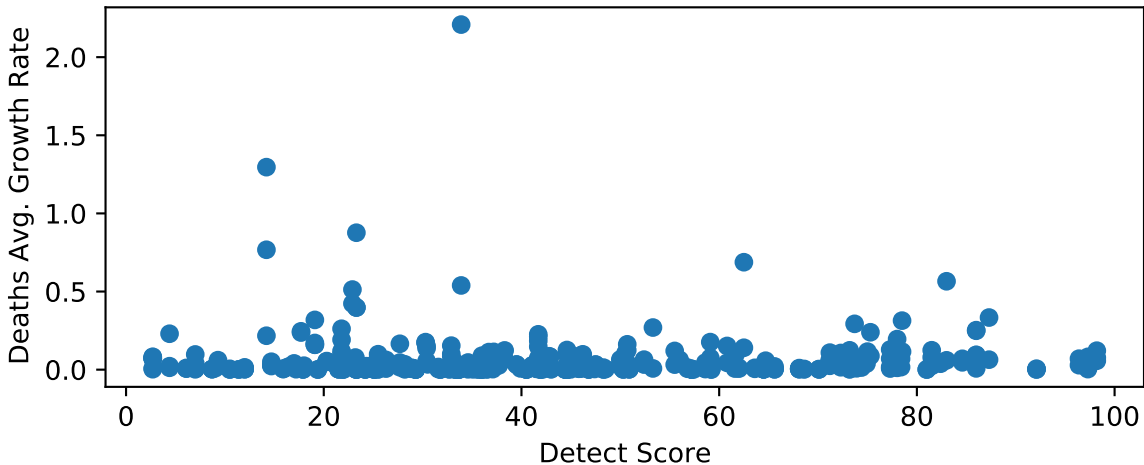
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Cases Valley Value(First Outbreak)	0.445	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.267	Moderate
P-Value	0.0	Significant

# Detect Score vs Deaths Avg. Growth Rate



## Shapiro-Wilk Test

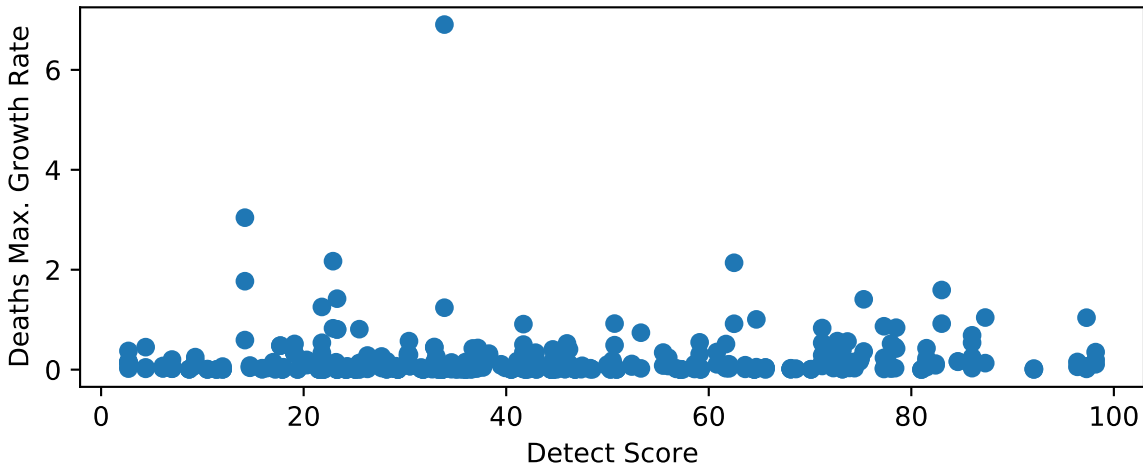
Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Avg. Growth Rate	0.339	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.124	Weak
P-Value	0.008	Significant



# Detect Score vs Deaths Max. Growth Rate



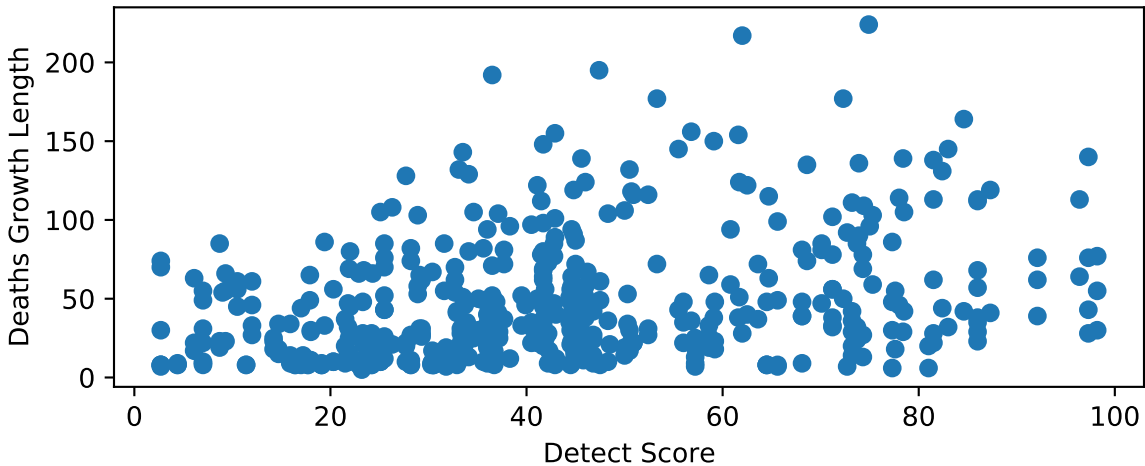
## Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Max. Growth Rate	0.385	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.14	Weak
P-Value	0.003	Significant

# Detect Score vs Deaths Growth Length

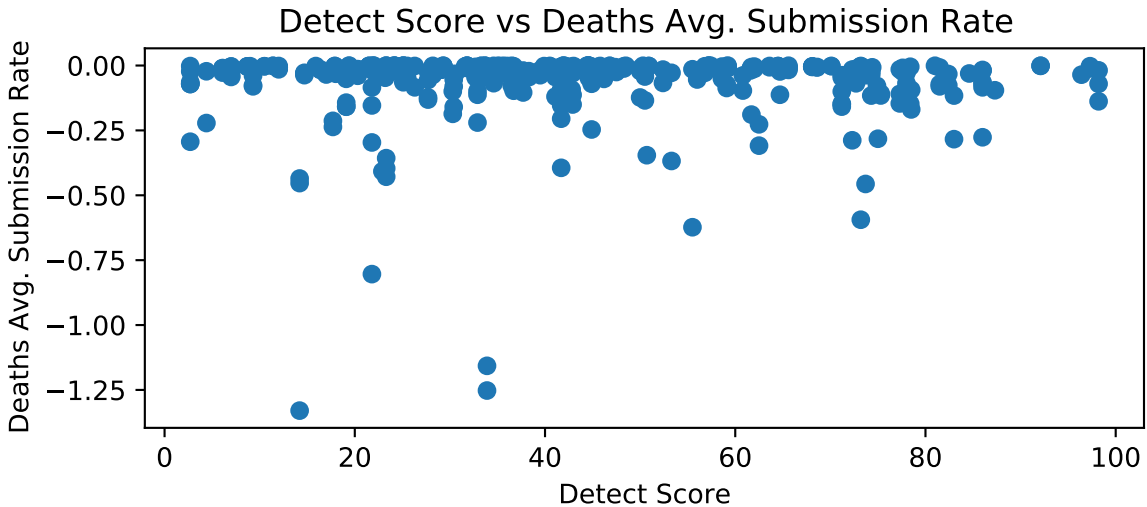


## Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Growth Length	0.841	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.344	Moderate
P-Value	0.0	Significant

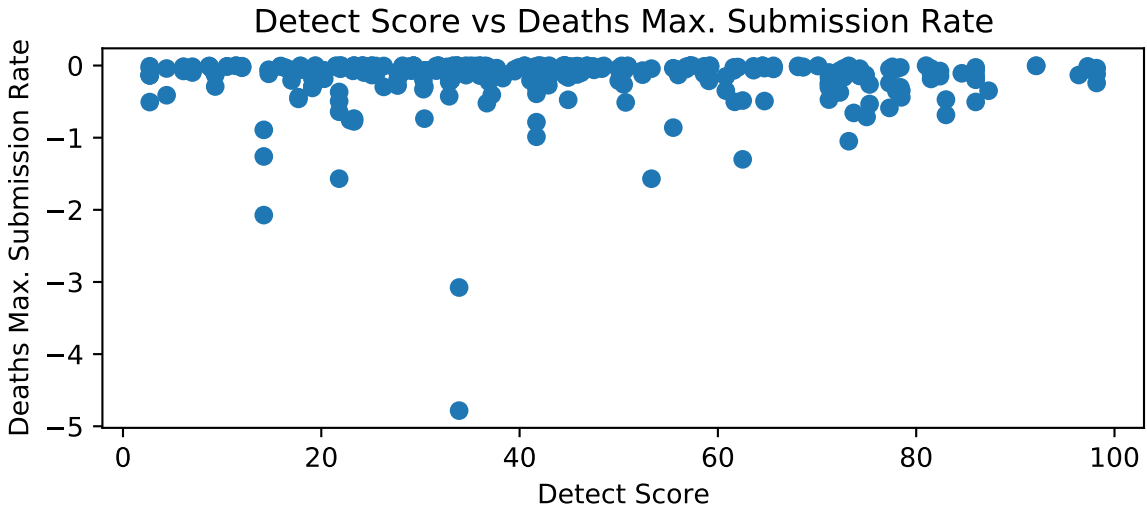


Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Avg. Submission Rate	0.402	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.08	Negligible
P-Value	0.103	Not Significant



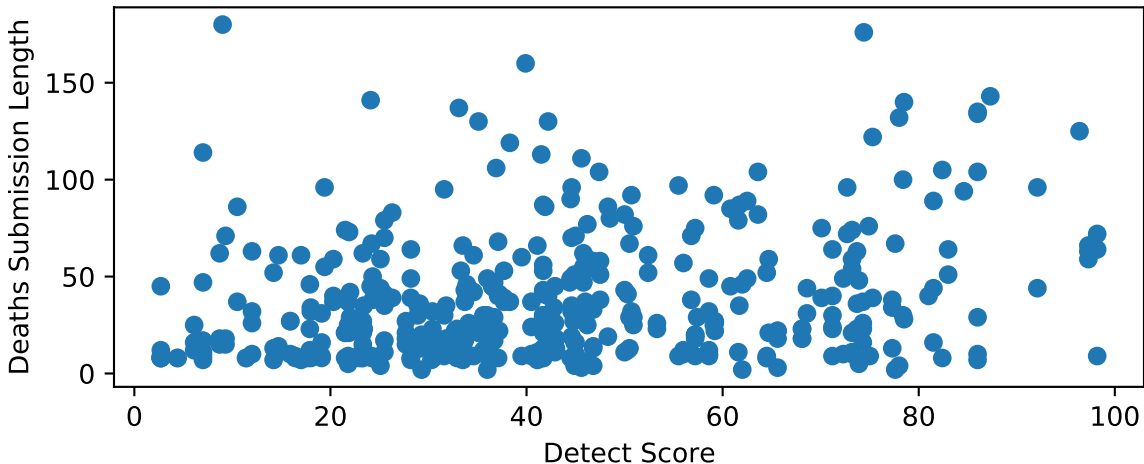
### Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Max. Submission Rate	0.396	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.088	Negligible
P-Value	0.074	Not Significant

Detect Score vs Deaths Submission Length



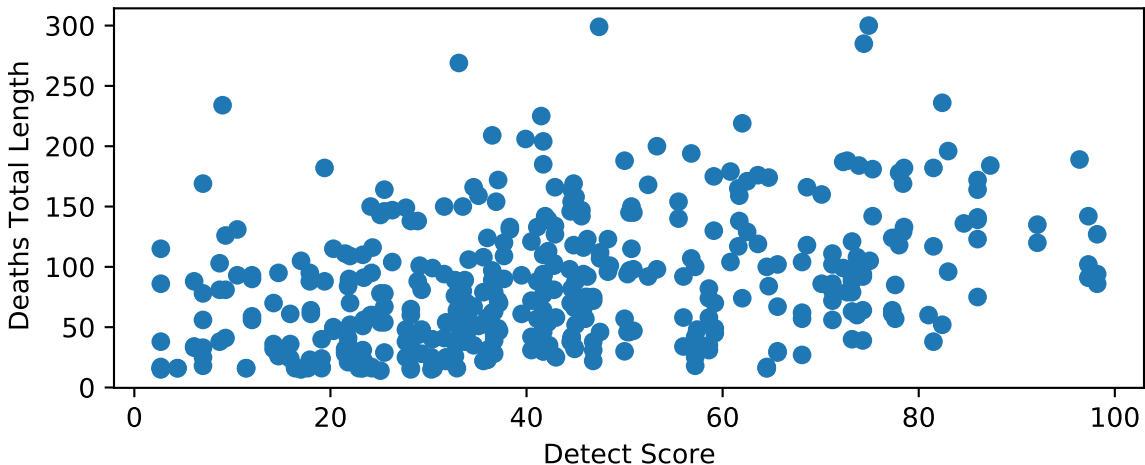
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Submission Length	0.837	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.26	Moderate
P-Value	0.0	Significant

Detect Score vs Deaths Total Length



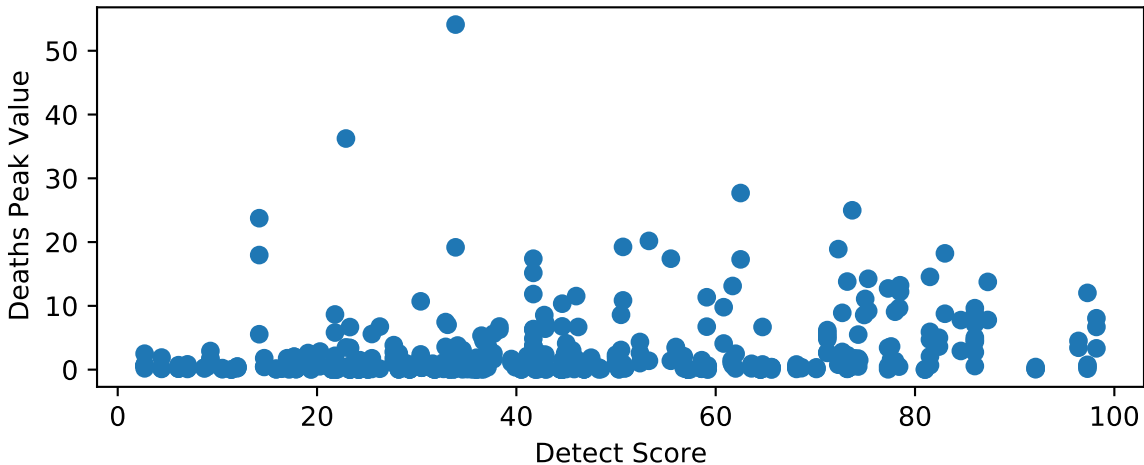
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Total Length	0.918	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.41	Relatively Strong
P-Value	0.0	Significant

Detect Score vs Deaths Peak Value



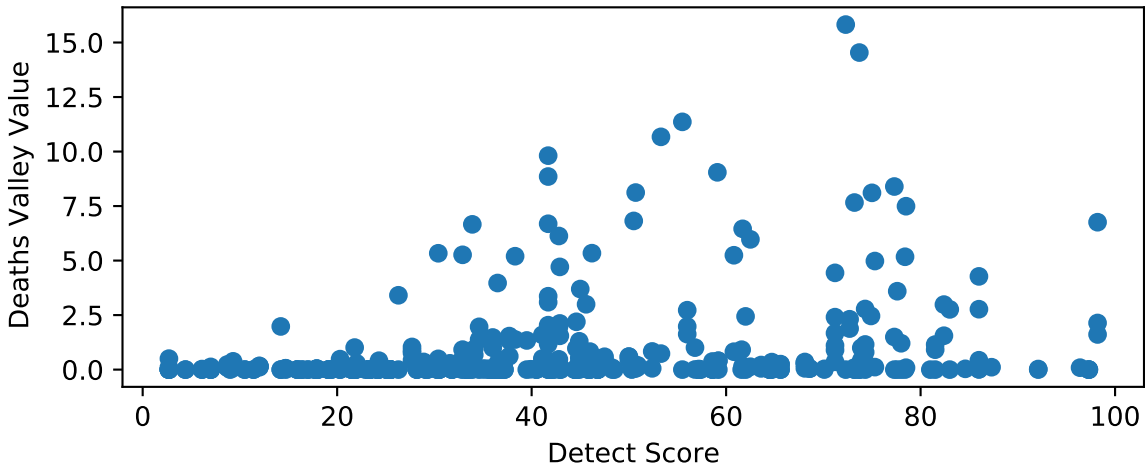
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Peak Value	0.57	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.276	Moderate
P-Value	0.0	Significant

# Detect Score vs Deaths Valley Value



## Shapiro-Wilk Test

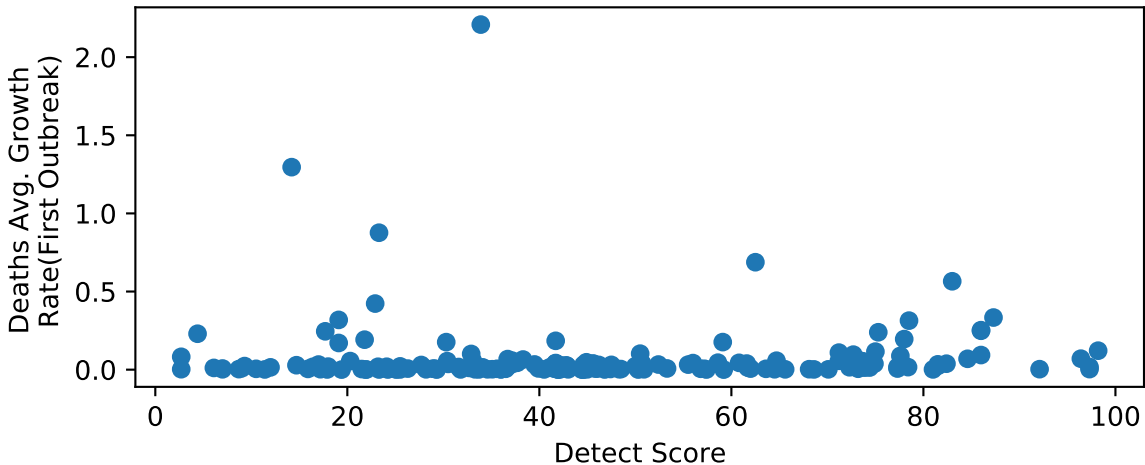
Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Valley Value	0.464	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.355	Moderate
P-Value	0.0	Significant



## Detect Score vs Deaths Avg. Growth Rate(First Outbreak)



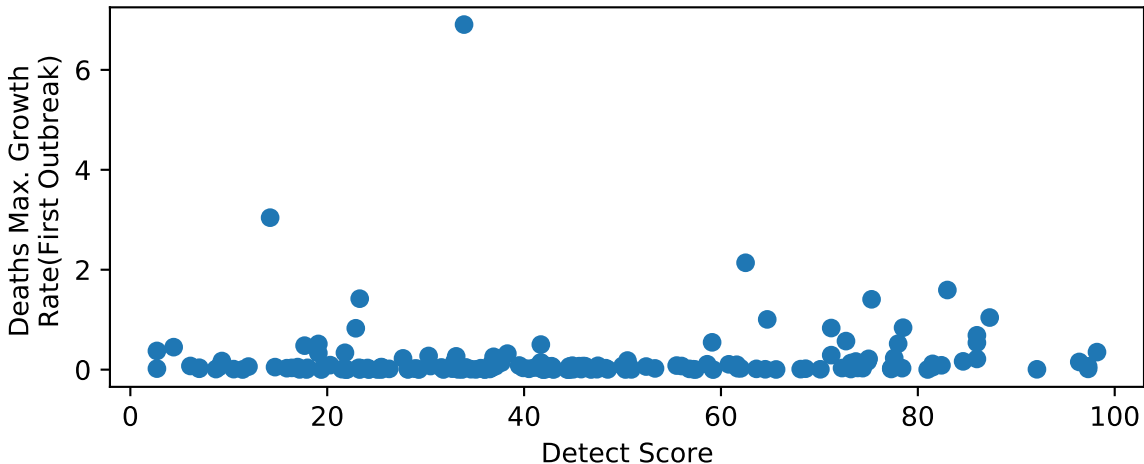
## Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Avg. Growth Rate(First Outbreak)	0.359	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.19	Weak
P-Value	0.013	Significant

Detect Score vs Deaths Max. Growth Rate(First Outbreak)



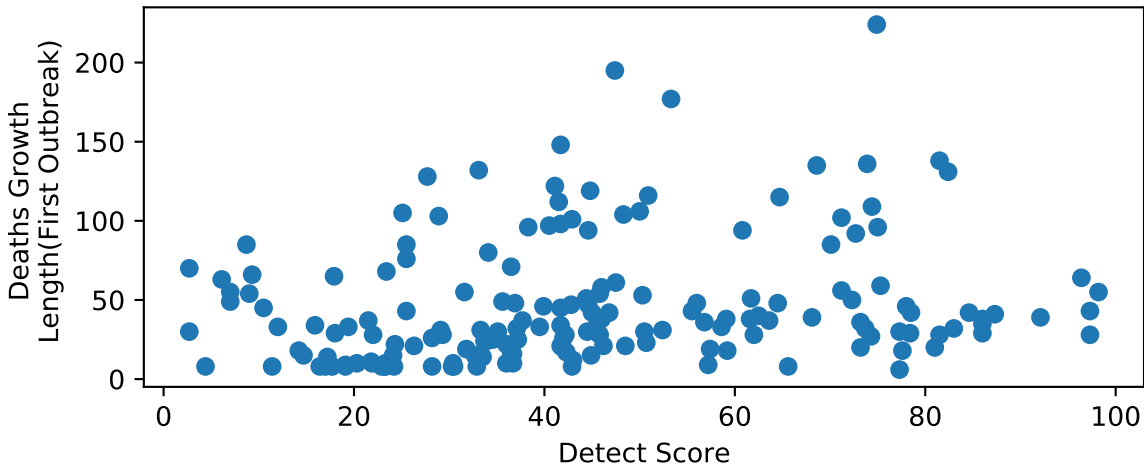
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.963	0.0
Deaths Max. Growth Rate(First Outbreak)	0.379	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.172	Weak
P-Value	0.024	Significant

Detect Score vs Deaths Growth Length(First Outbreak)



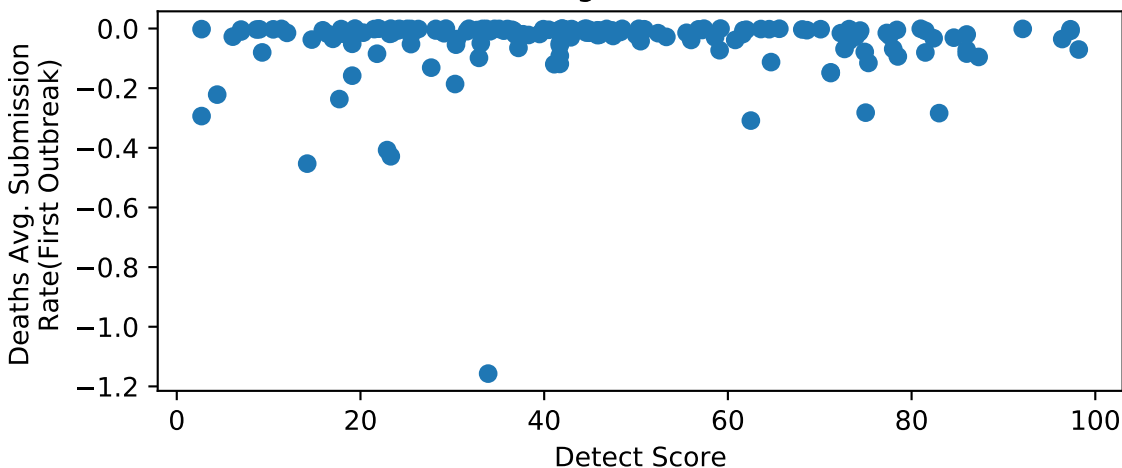
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Growth Length(First Outbreak)	0.819	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.275	Moderate
P-Value	0.0	Significant

Detect Score vs Deaths Avg. Submission Rate(First Outbreak)



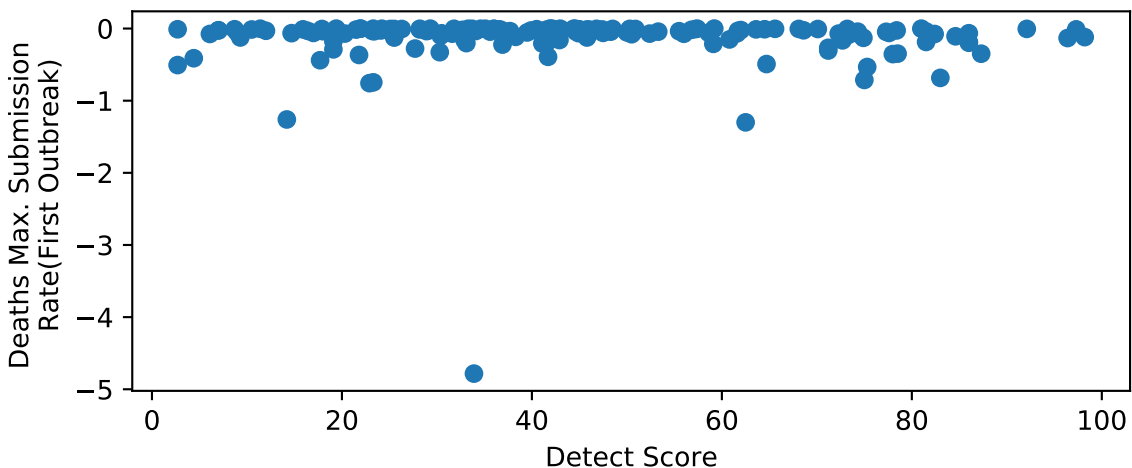
Shapiro-Wilk Test

Null	Stat	P-value
Shapiro-Wilk Test	0.985	0.9
Shapiro-Wilk Test (First Outbreak)	0.994	0.9

Spearman Correlation Test

Output	Results	Outcome
Score	-0.111	Weak
P-Value	0.149	Not Significant

Detect Score vs Deaths Max. Submission Rate(First Outbreak)



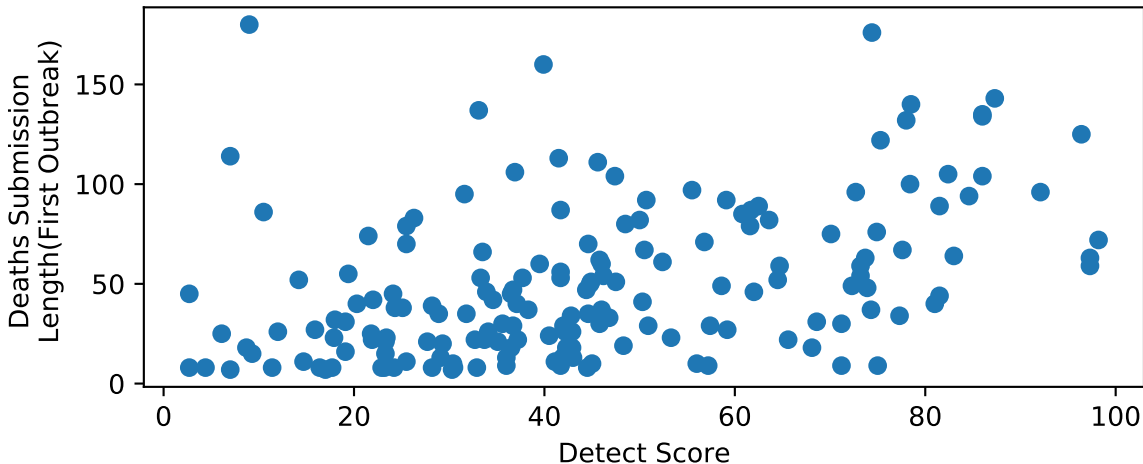
Shapiro-Wilk Test

Test	Score	P-Value
Shapiro-Wilk Test	0.985	0.9
Deaths Rate, Submission Rate(First Outbreak)	0.001	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.138	Weak
P-Value	0.072	Not Significant

Detect Score vs Deaths Submission Length(First Outbreak)



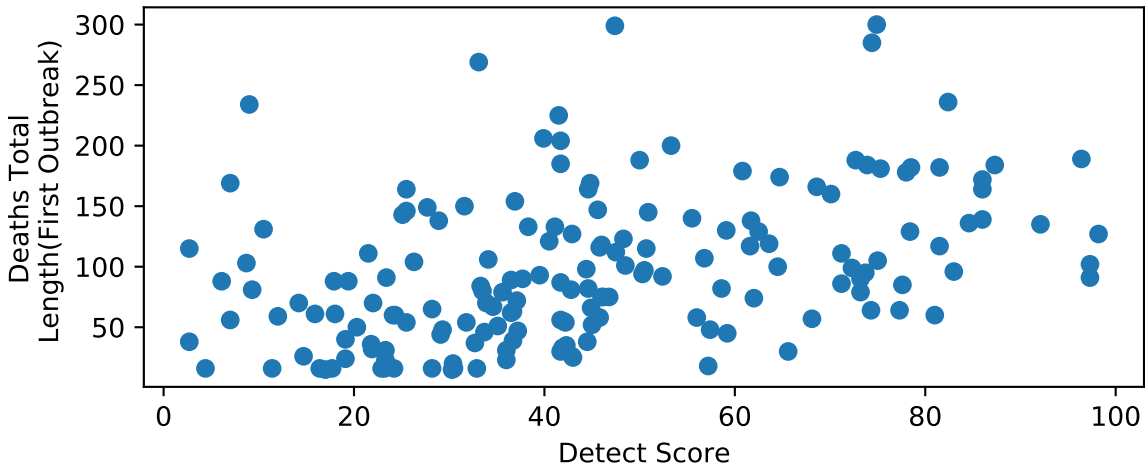
Shapiro-Wilk Test

Null	Stat	P-Value
Shapiro-Wilk Test	0.981	0.9
Deaths Submission Length(First Outbreak)	0.981	0.9

Spearman Correlation Test

Output	Results	Outcome
Score	0.472	Relatively Strong
P-Value	0.0	Significant

Detect Score vs Deaths Total Length(First Outbreak)

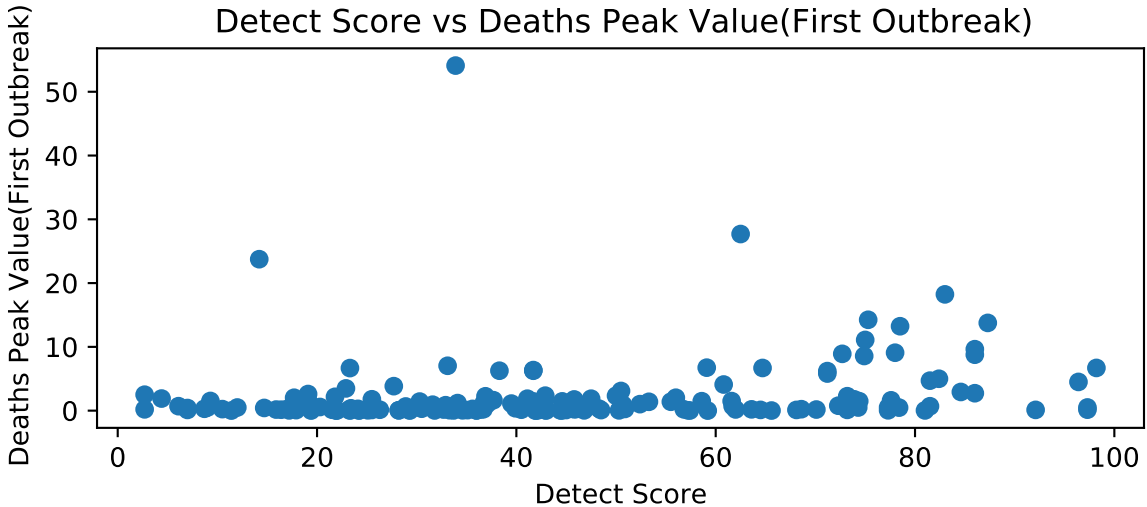


Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Deaths Total Length(First Outbreak)	0.926	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.454	Relatively Strong
P-Value	0.0	Significant



Shapiro-Wilk Test

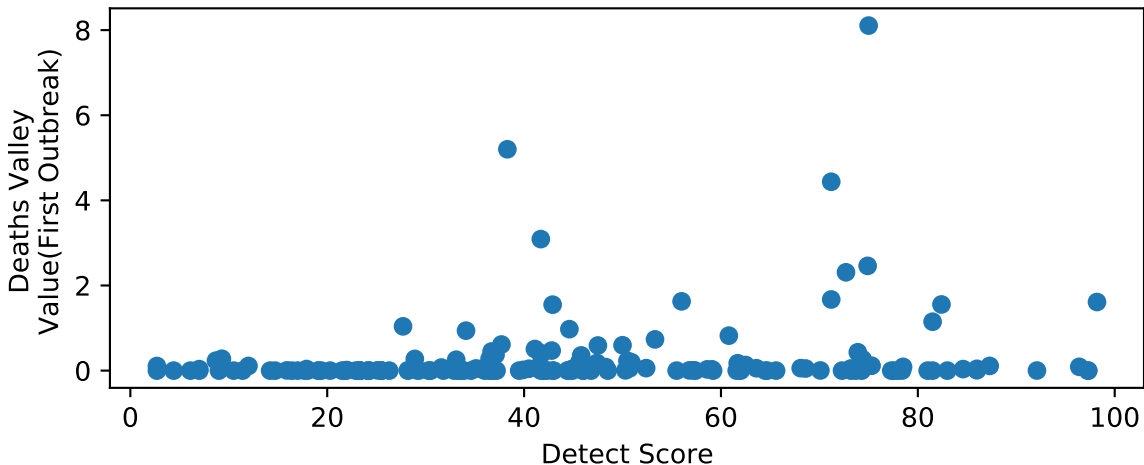
Metric	Score	P-Value
Detect Score	0.963	0.0
Deaths Peak Value(First Outbreak)	0.492	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.284	Moderate
P-Value	0.0	Significant



Detect Score vs Deaths Valley Value(First Outbreak)



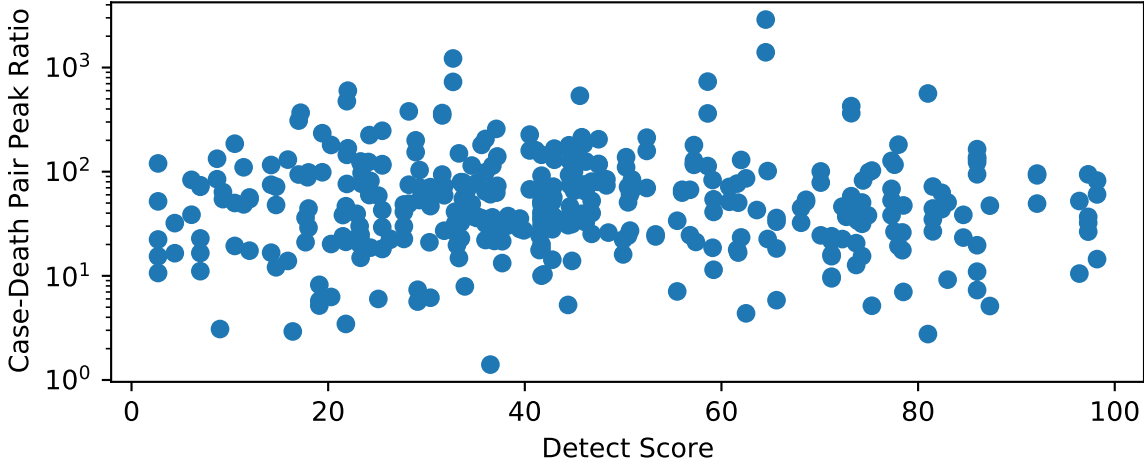
Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.963	0.0
Deaths Valley Value(First Outbreak)	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.293	Moderate
P-Value	0.0	Significant

# Detect Score vs Case-Death Pair Peak Ratio



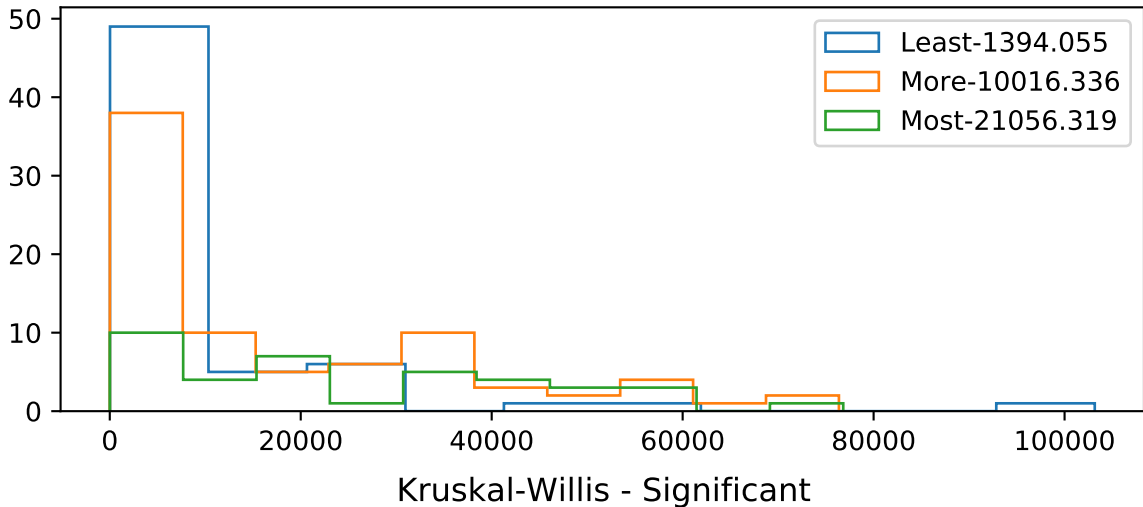
## Shapiro-Wilk Test

Metric	Score	P-Value
Detect Score	0.965	0.0
Case-Death Pair Peak Ratio	0.324	0.0

## Spearman Correlation Test

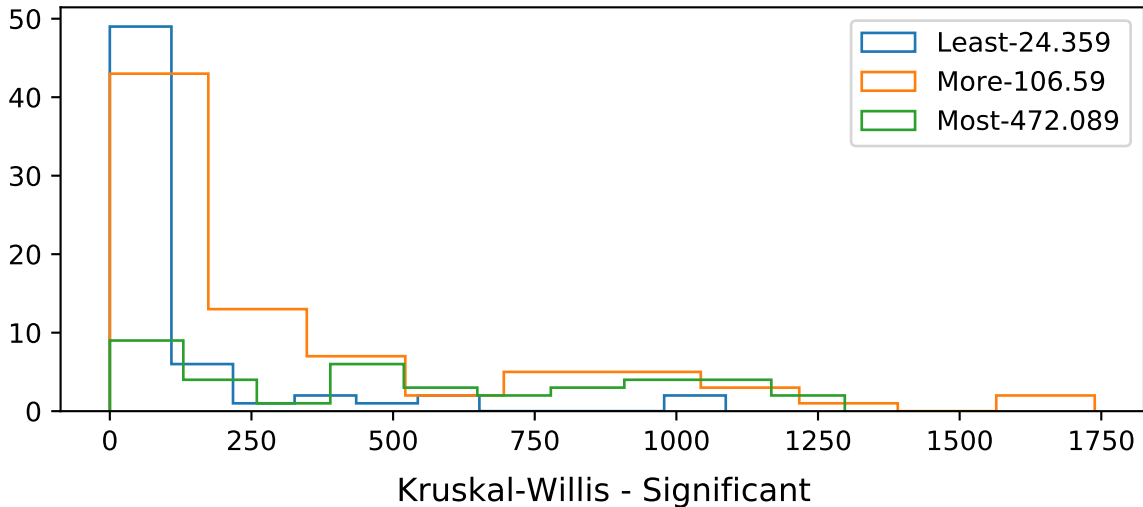
Output	Results	Outcome
Score	-0.009	Negligible
P-Value	0.863	Not Significant

# Detection Preparedness vs Total Cases per Million



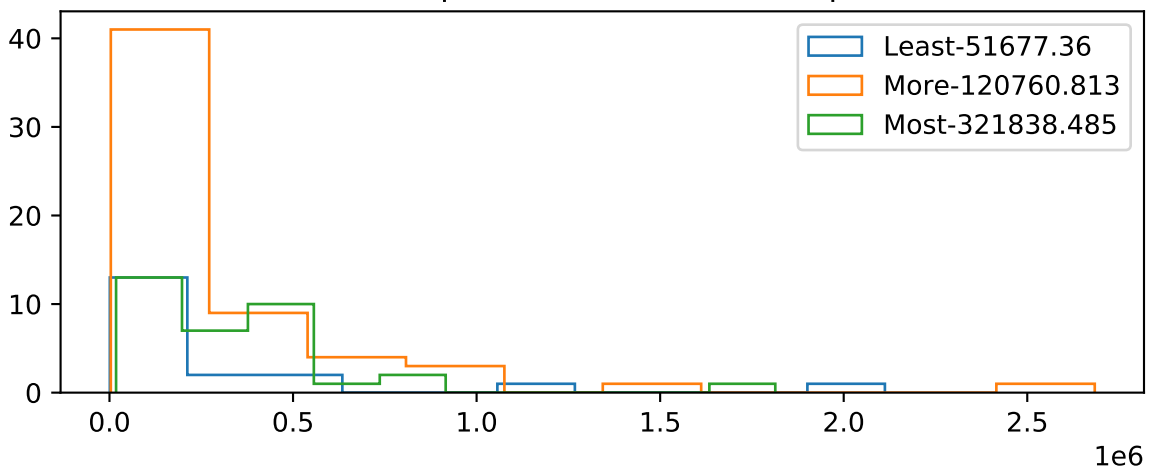
Source	ddof1	H	p-unc
Detection Preparedness	2	23.90784757619872	6.433937854603475e-06

# Detection Preparedness vs Total Deaths per Million



Source	ddof1	H	p-unc
Detection Preparedness	2	28.765536422964093	5.670784338490877e-07

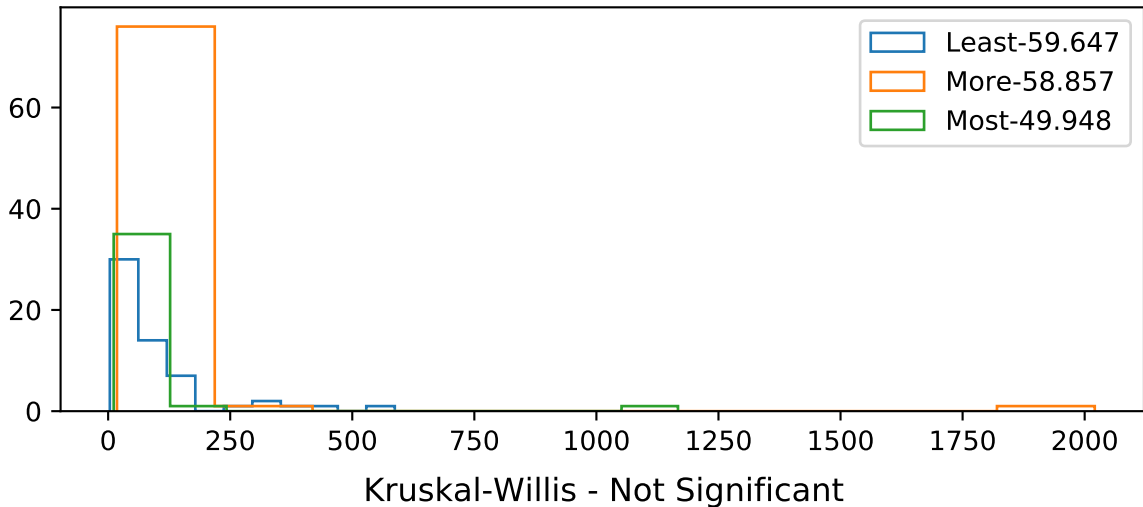
# Detection Prepardness vs Total Tests per Million



Kruskal-Willis - Significant

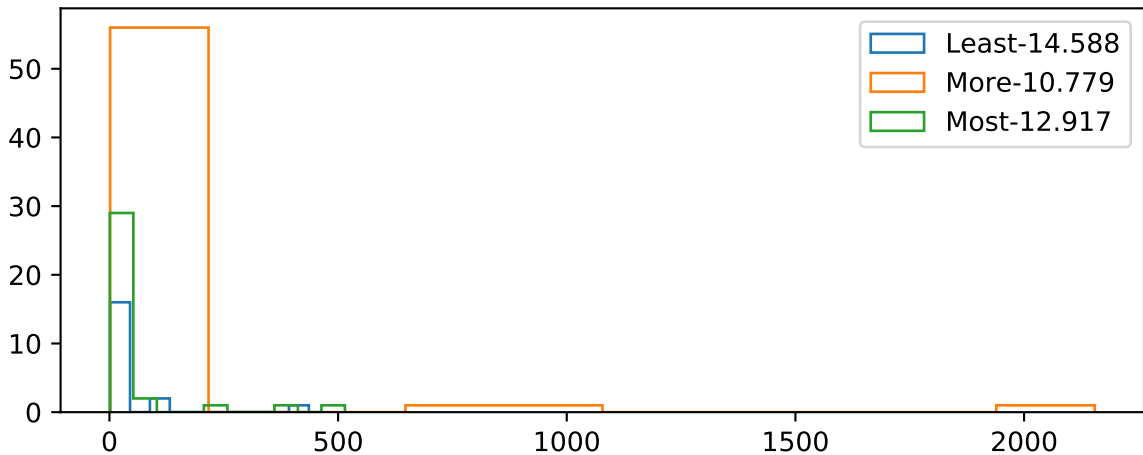
Source	ddof1	H	p-unc
Detection Prepardness	2	6.032882986545019	0.04897518717688283

## Detection Preparedness vs Case-Death Ratio



Source	ddof1	H	p-unc
Detection Preparedness	2	2.1745576132130964	0.33713264976174334

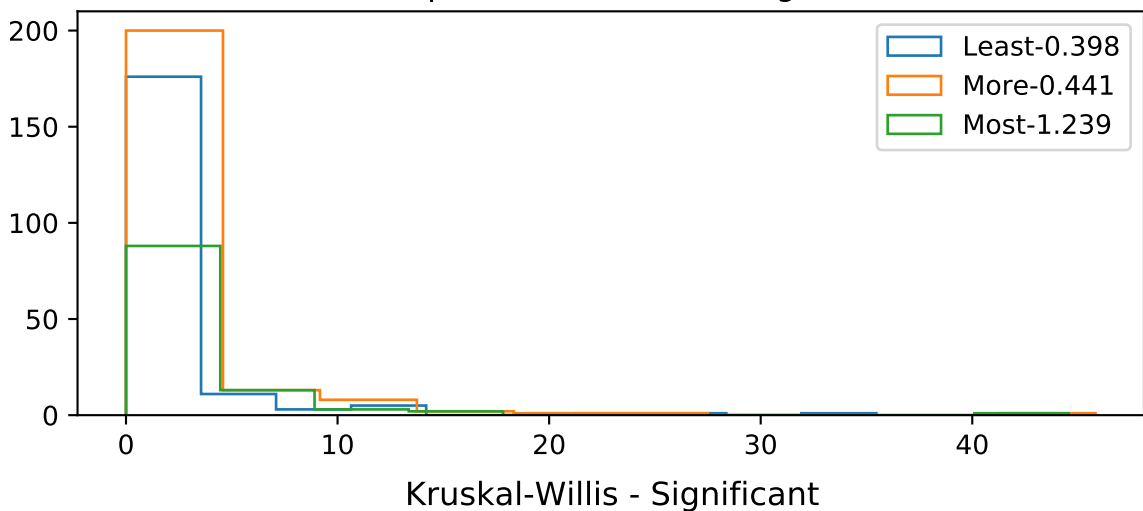
# Detection Prepardness vs Test-Case Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Detection Prepardness	2	1.3769715538990681	0.5023361424264694

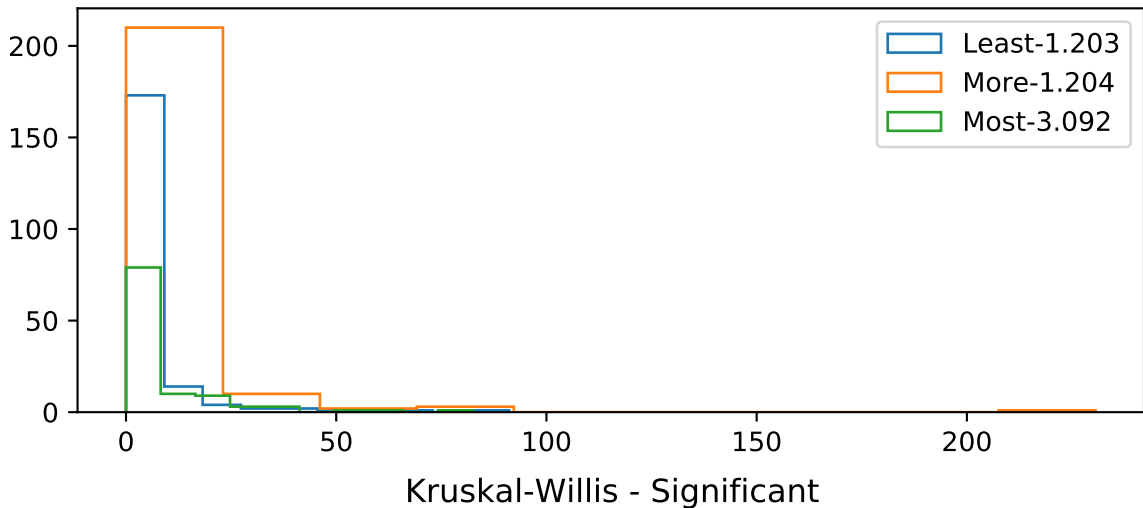
# Detection Preparedness vs Cases Avg. Growth Rate



Source	ddof1	H	p-unc
x	2	18.49301009632063	9.644814532794901e-05

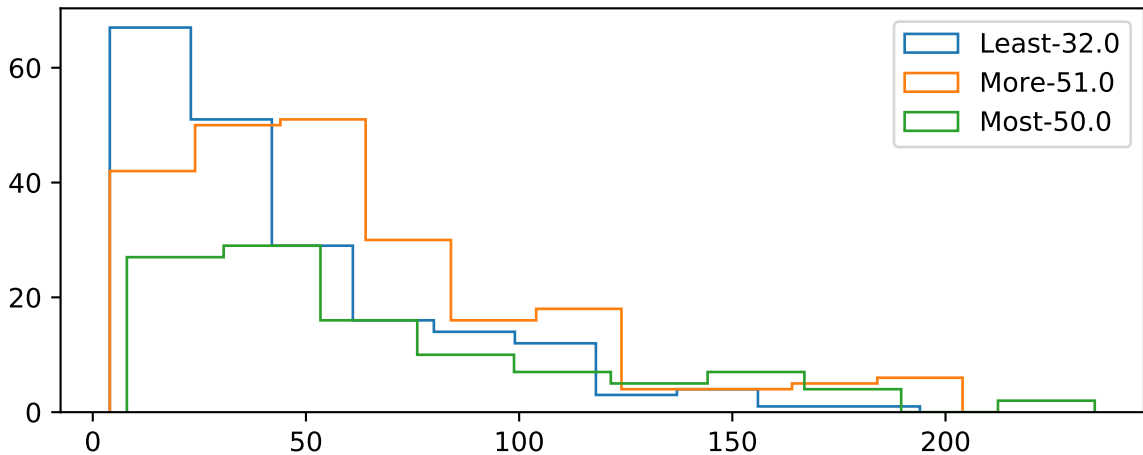


# Detection Preparedness vs Cases Max. Growth Rate



Source	ddof1	H	p-unc
x	2	15.635214514921927	0.00040258381069153173

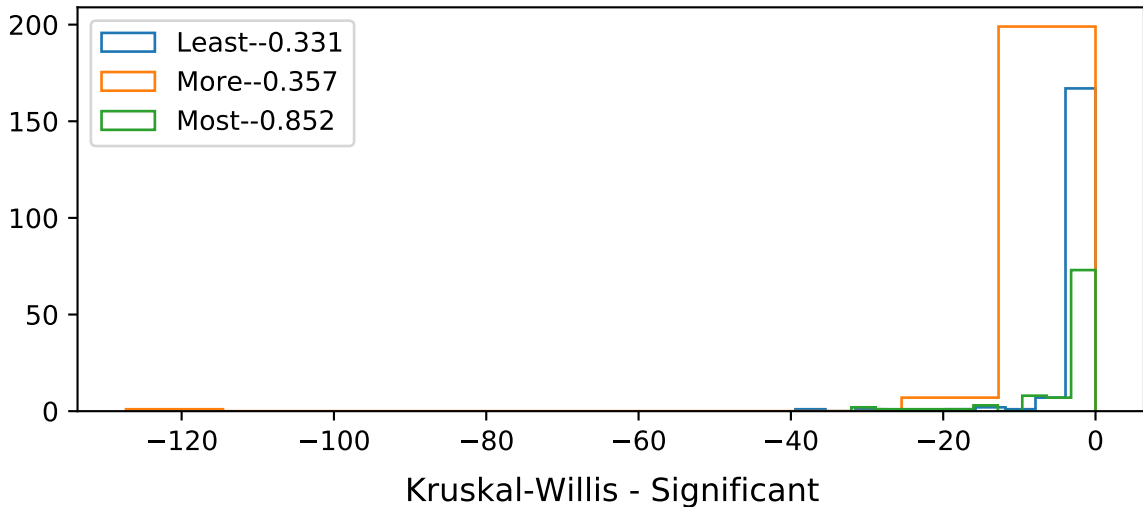
# Detection Preparedness vs Cases Growth Length



Kruskal-Willis - Significant

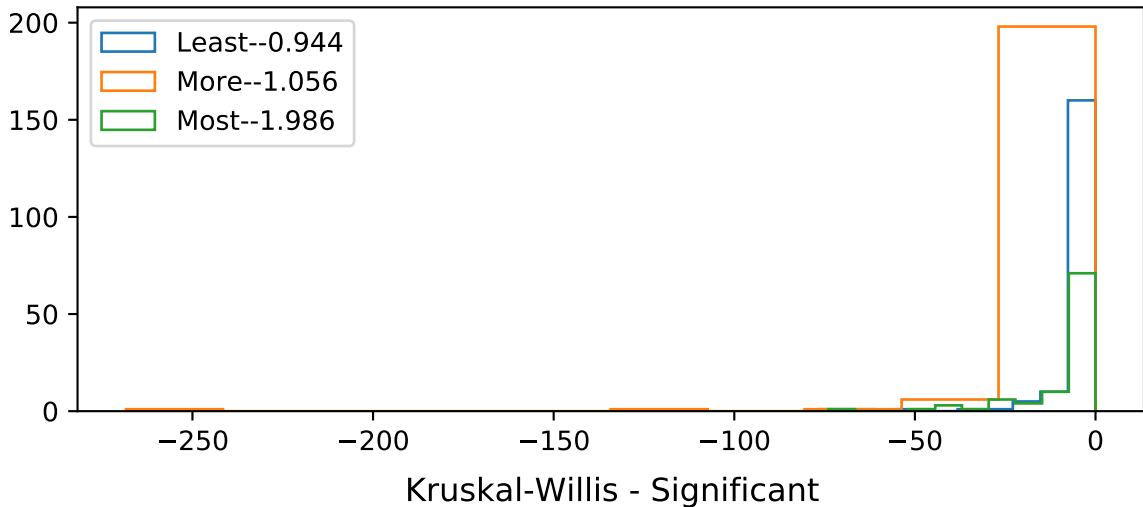
Source	ddof1	H	p-unc
x	2	27.68039362397033	9.756159595997038e-07

# Detection Preparedness vs Cases Avg. Submission Rate



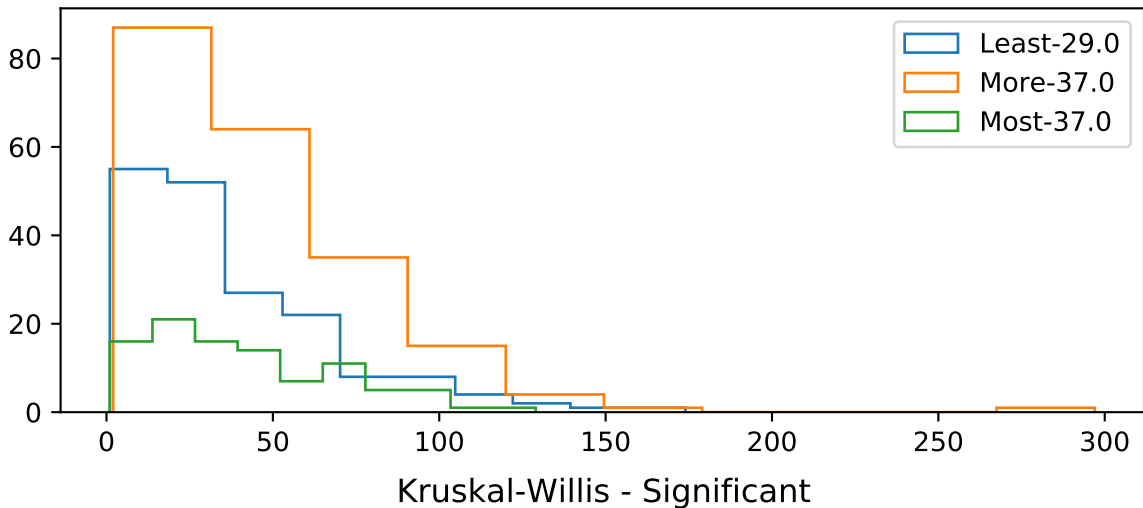
Source	ddof1	H	p-unc
x	2	10.986520802854368	0.004114407661334205

# Detection Preparedness vs Cases Max. Submission Rate



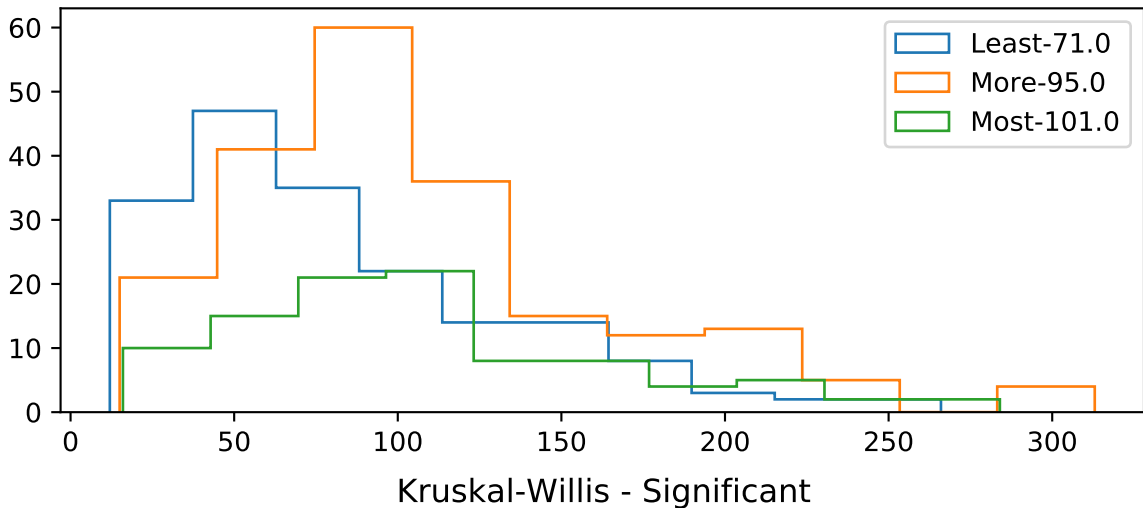
Source	ddof1	H	p-unc
x	2	9.479137367369669	0.008742416119104042

# Detection Preparedness vs Cases Submission Length



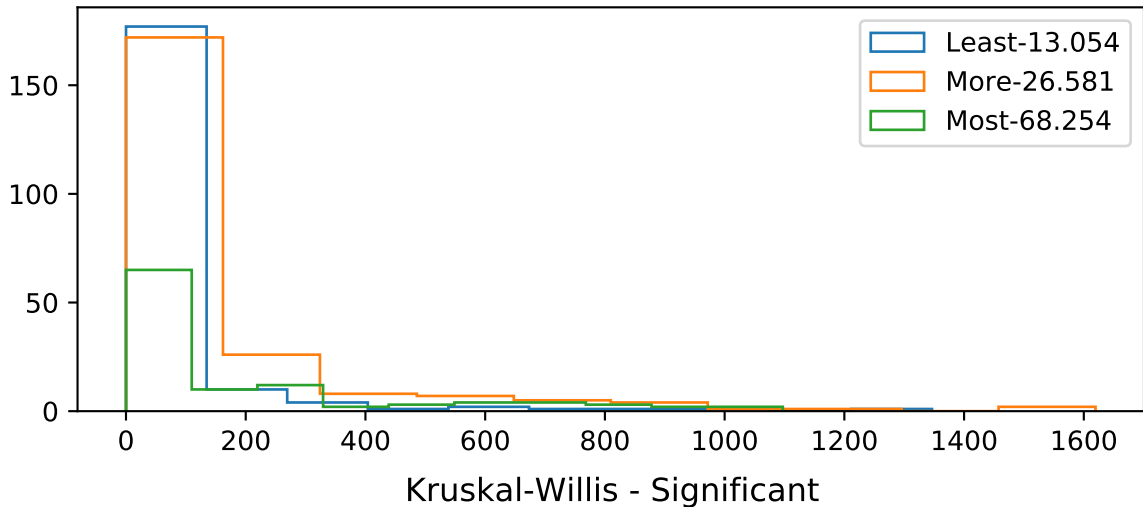
Source	ddof1	H	p-unc
x	2	8.244109295024595	0.016211171956020946

# Detection Preparedness vs Cases Total Length



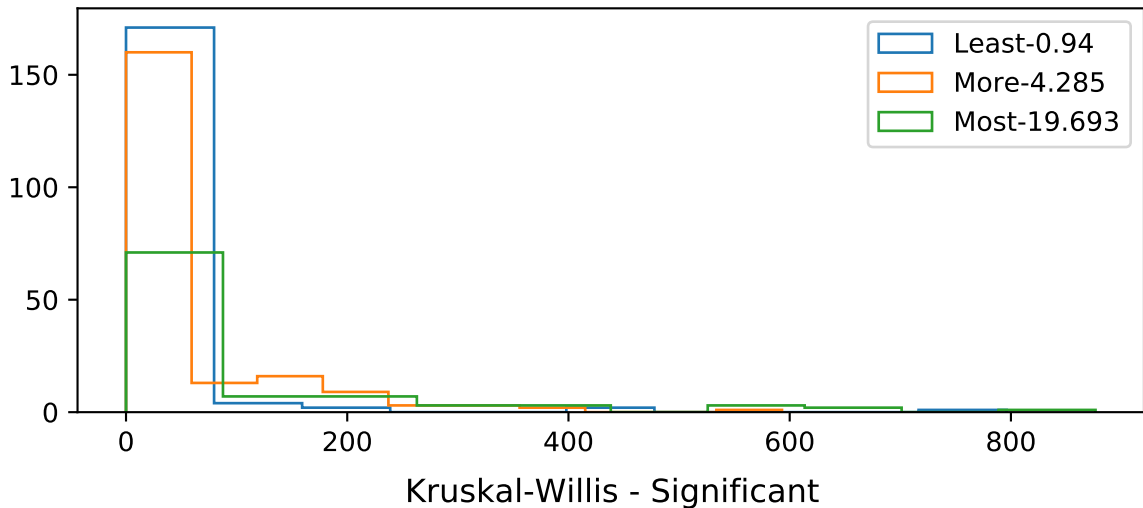
Source	ddof1	H	p-unc
x	2	27.603016064795945	1.0141010201146201e-06

# Detection Preparedness vs Cases Peak Value



Source	ddof1	H	p-unc
x	2	32.21905623173507	1.008604341457743e-07

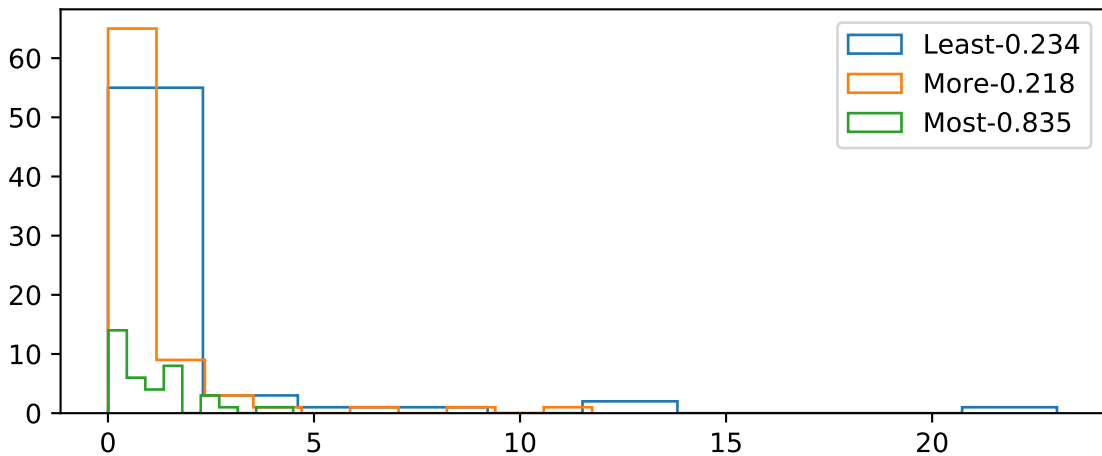
# Detection Preparedness vs Cases Valley Value



Source	ddof1	H	p-unc
x	2	40.21284897630368	1.8530656001246341e-09



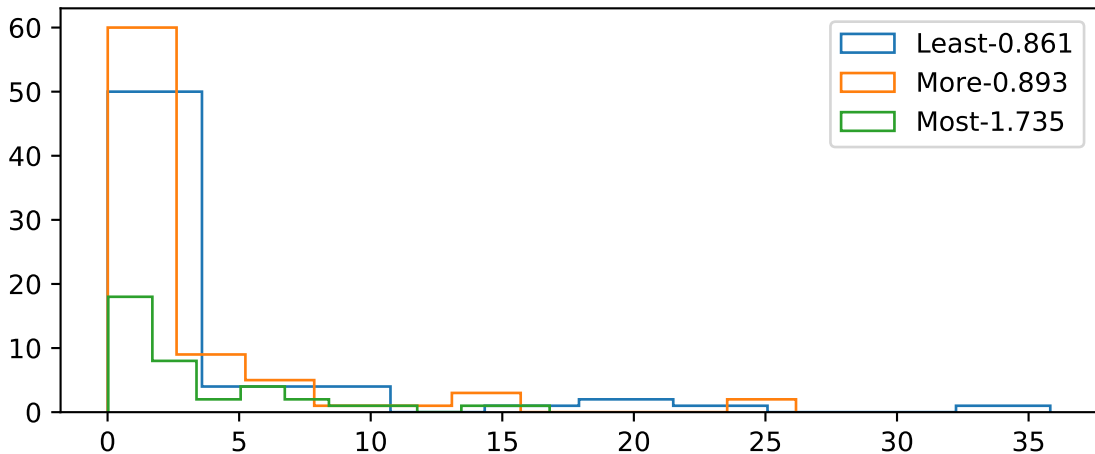
# Detection Preparedness vs Cases Avg. Growth Rate(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Detection Preparedness	2	6.657864645333234	0.03583134096279452

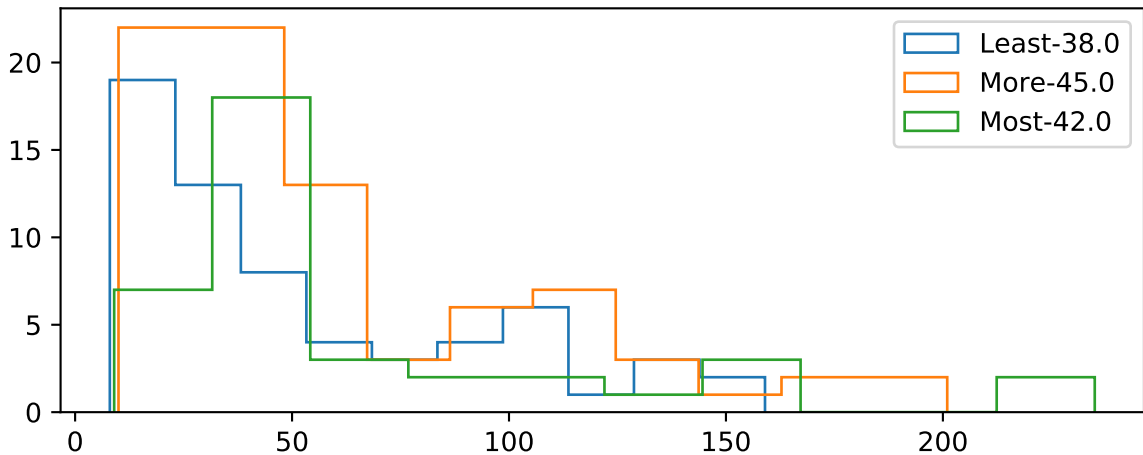
# Detection Preparedness vs Cases Max. Growth Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Detection Preparedness	2	5.811783189366565	0.05469999862543928

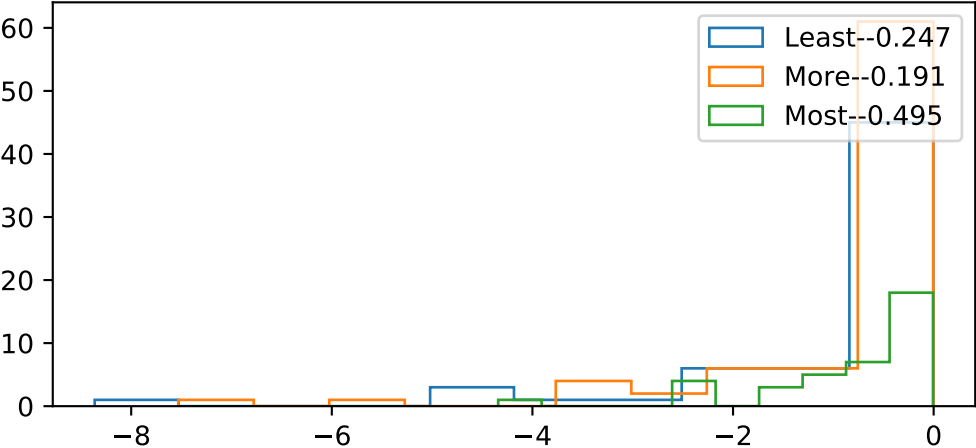
# Detection Preparedness vs Cases Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Detection Preparedness	2	2.9209820395979667	0.23212227011237693

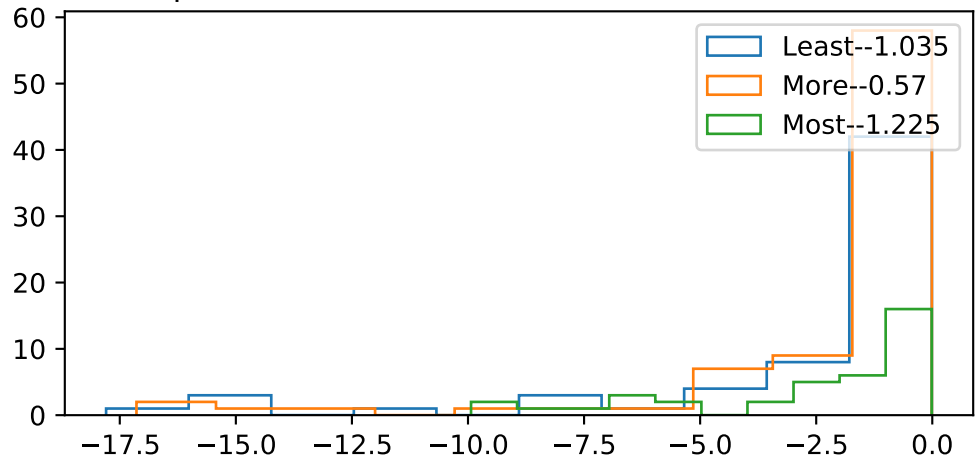
Detection Preparedness vs Cases Avg. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Detection Preparedness	2	4.133719875862084	0.1265826356387233

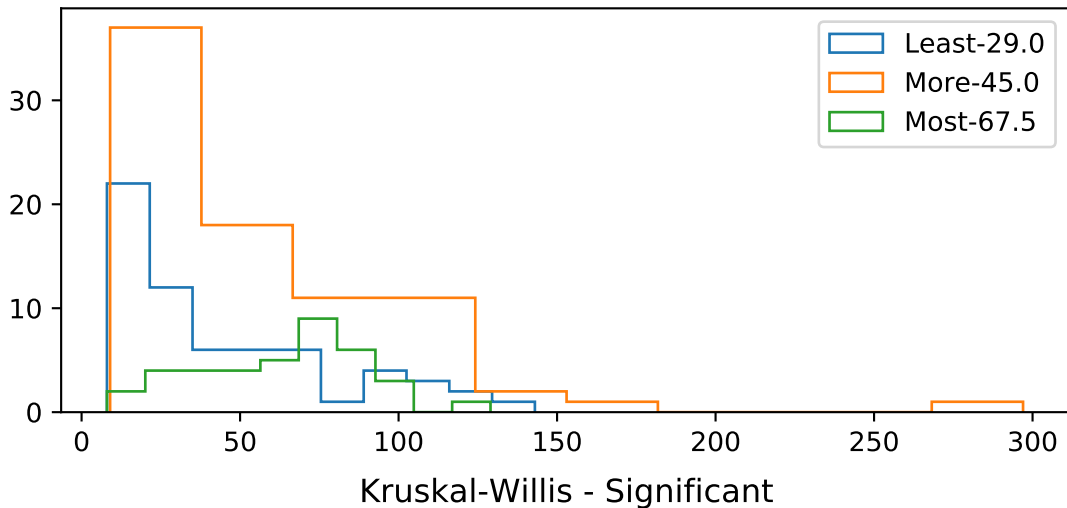
Detection Preparedness vs Cases Max. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

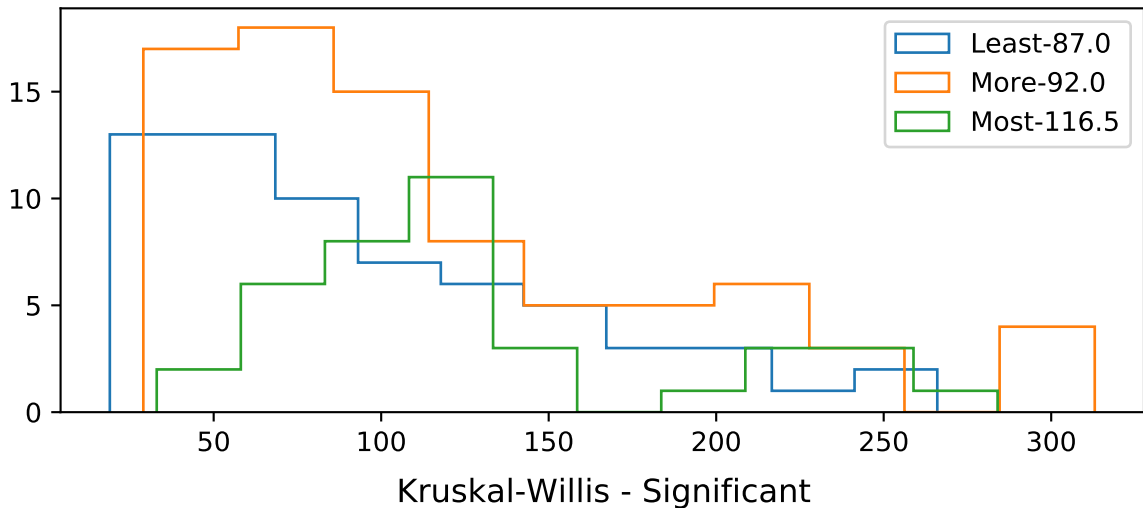
Source	ddof1	H	p-unc
Detection Preparedness	2	5.597889969022731	0.06087425203761067

# Detection Preparedness vs Cases Submission Length(First Outbreak)



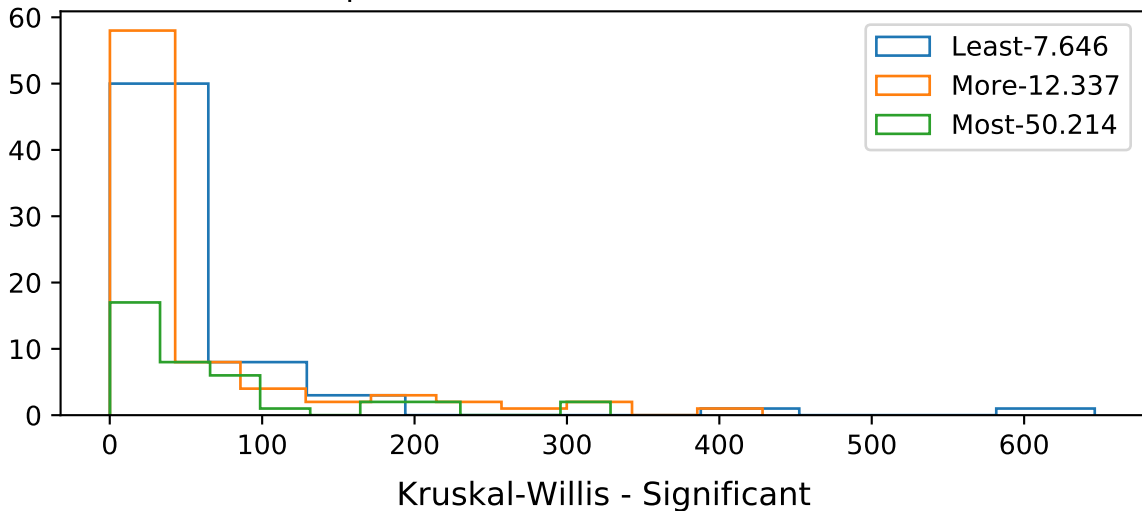
Source	ddof1	H	p-unc
Detection Preparedness	2	11.717025964608766	0.0028554866864192647

# Detection Preparedness vs Cases Total Length(First Outbreak)



Source	ddof1	H	p-unc
Detection Preparedness	2	8.526028550182605	0.01407979799795506

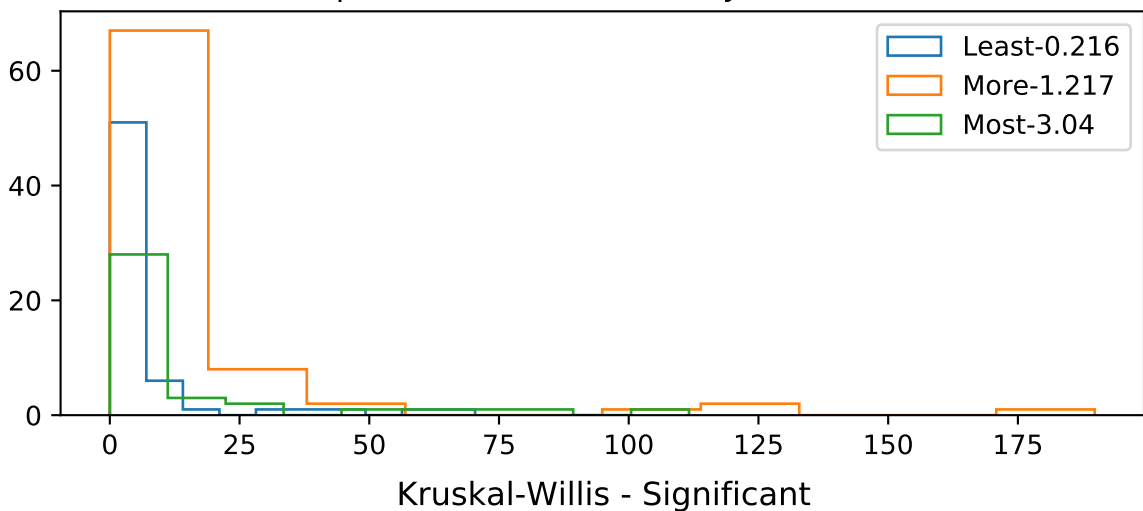
# Detection Preparedness vs Cases Peak Value(First Outbreak)



Source	ddof1	H	p-unc
Detection Preparedness	2	8.153015698436661	0.016966612286473767

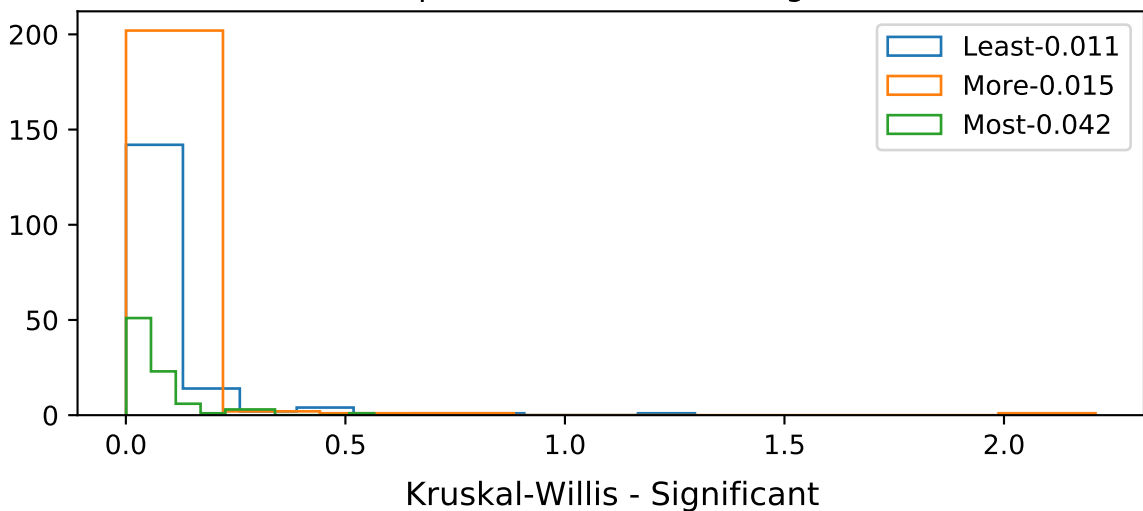


# Detection Preparedness vs Cases Valley Value(First Outbreak)



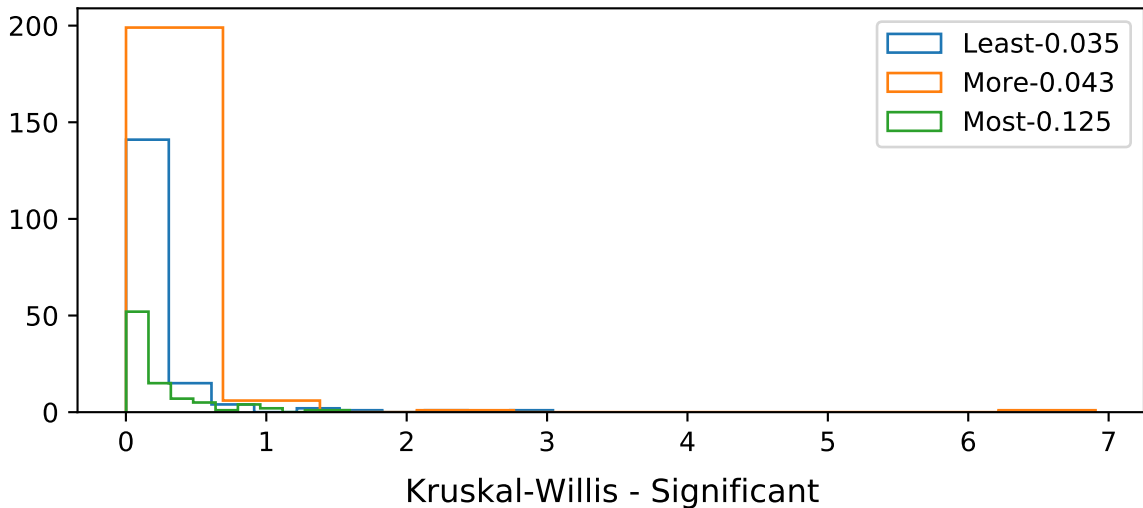
Source	ddof1	H	p-unc
Detection Preparedness	2	10.301515184342191	0.0057950128070761485

# Detection Preparedness vs Deaths Avg. Growth Rate



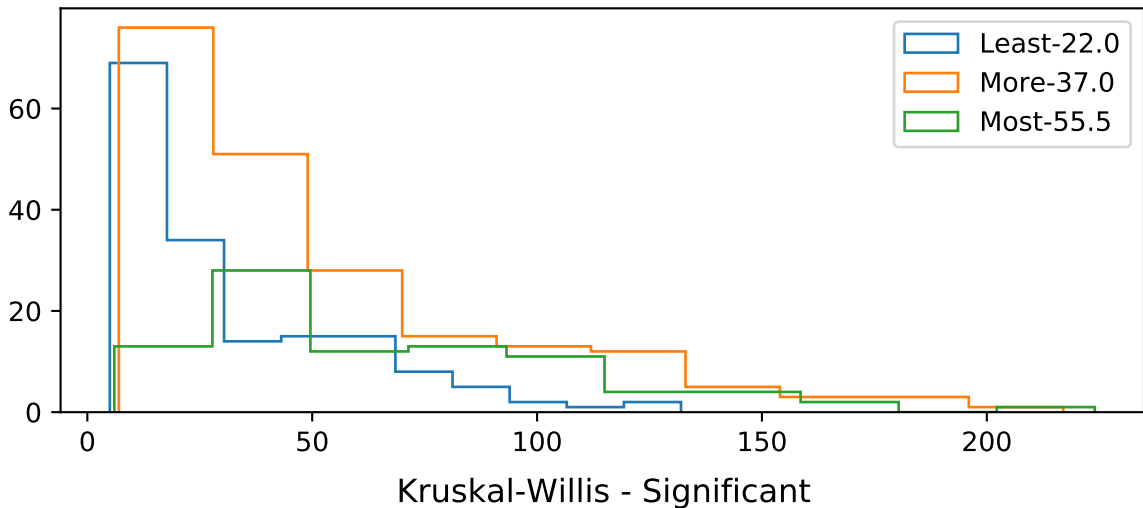
Source	ddof1	H	p-unc
x	2	17.320749688631132	0.00017331932696109637

# Detection Preparedness vs Deaths Max. Growth Rate



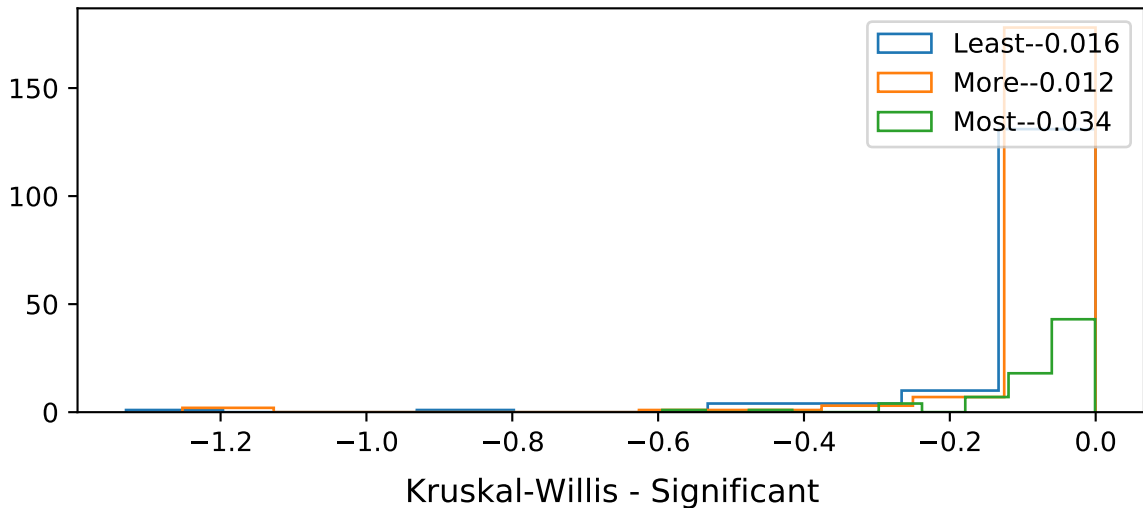
Source	ddof1	H	p-unc
x	2	19.85524332433362	4.880773946104912e-05

# Detection Preparedness vs Deaths Growth Length



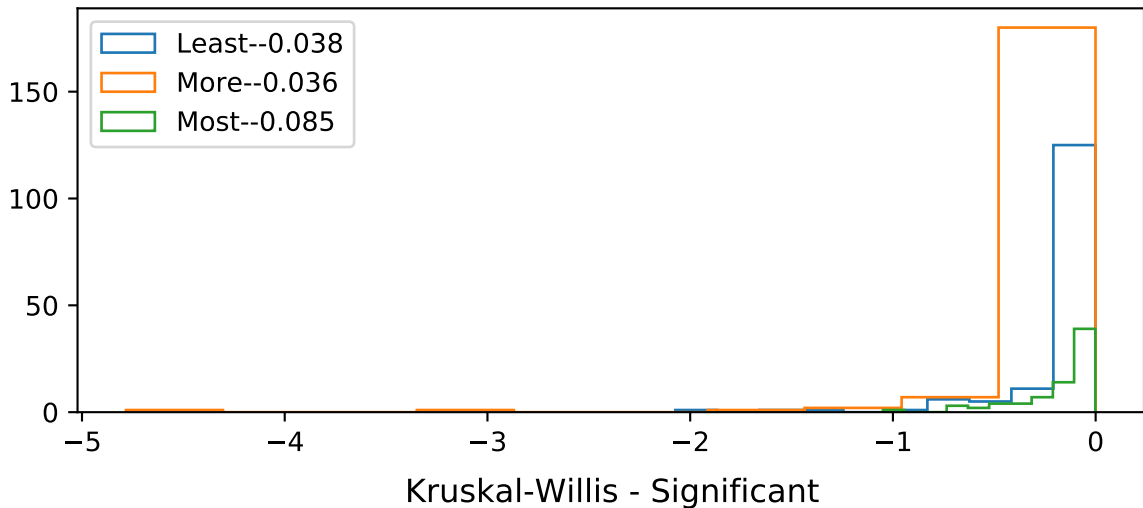
Source	ddof1	H	p-unc
x	2	56.44200586431289	5.543373645871673e-13

# Detection Preparedness vs Deaths Avg. Submission Rate



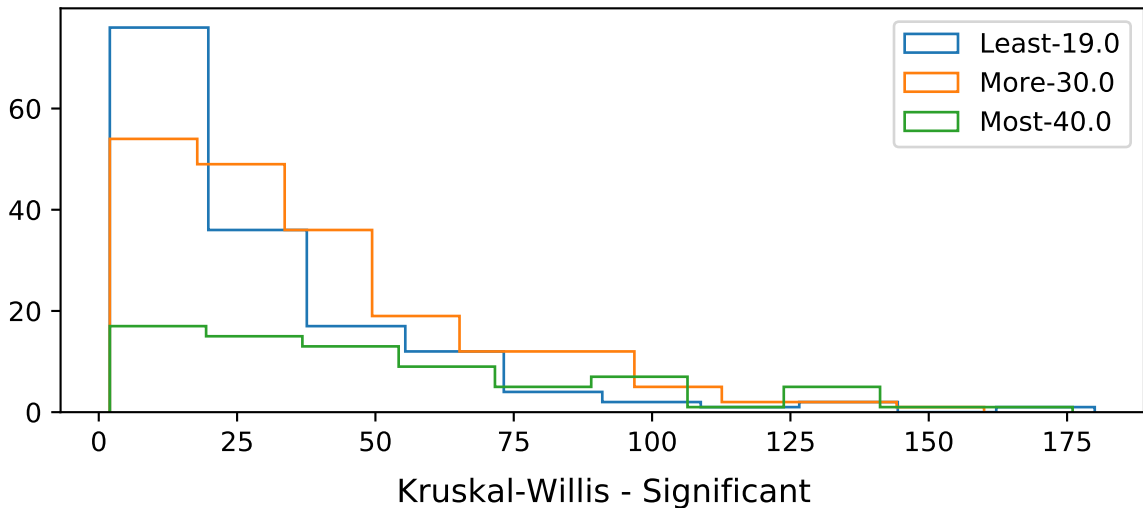
Source	ddof1	H	p-unc
x	2	13.690211685998072	0.0010646535445800979

# Detection Preparedness vs Deaths Max. Submission Rate



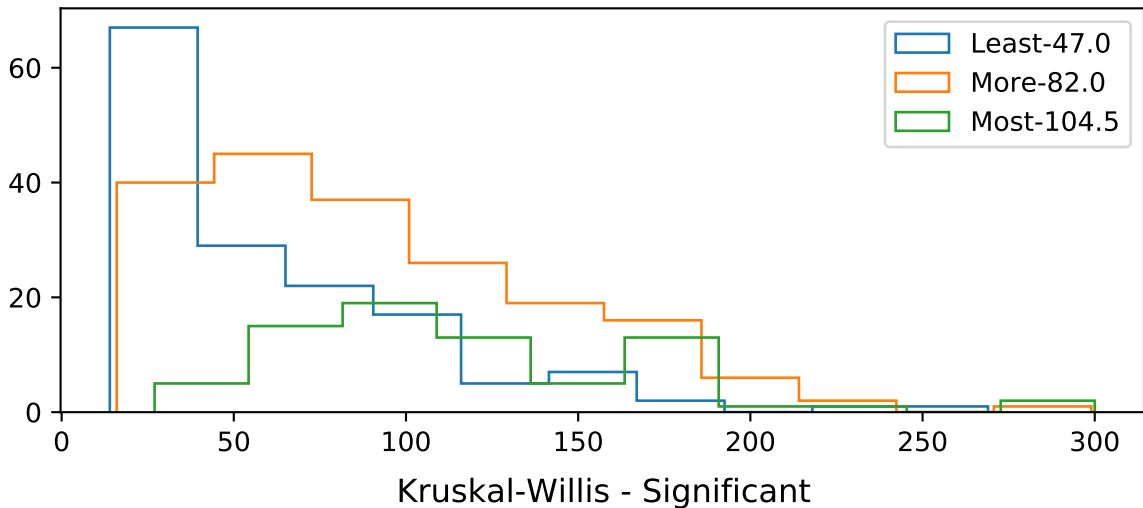
Source	ddof1	H	p-unc
x	2	15.40047478512934	0.00045271969783907946

# Detection Preparedness vs Deaths Submission Length



Source	ddof1	H	p-unc
x	2	27.15607682392988	1.268039676320825e-06

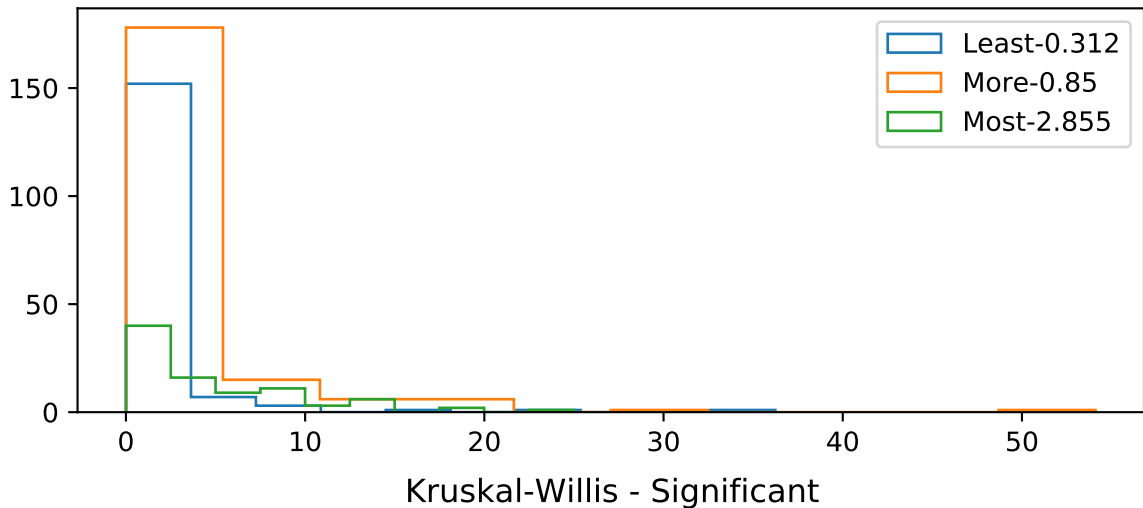
# Detection Preparedness vs Deaths Total Length



Source	ddof1	H	p-unc
x	2	69.50398115916076	8.07983061096966e-16

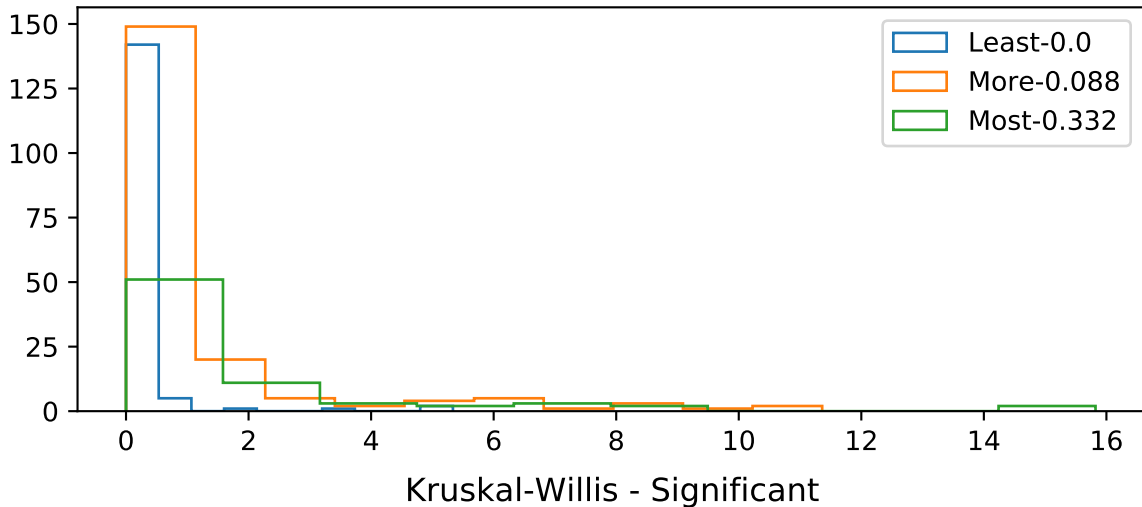


# Detection Preparedness vs Deaths Peak Value



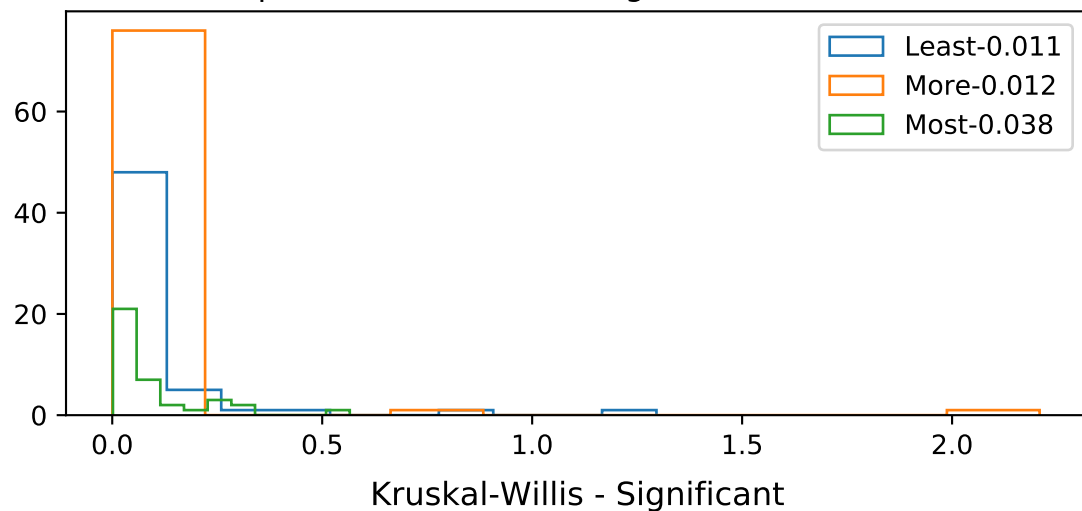
Source	ddof1	H	p-unc
x	2	44.460446573693964	2.2158313116667426e-10

# Detection Preparedness vs Deaths Valley Value



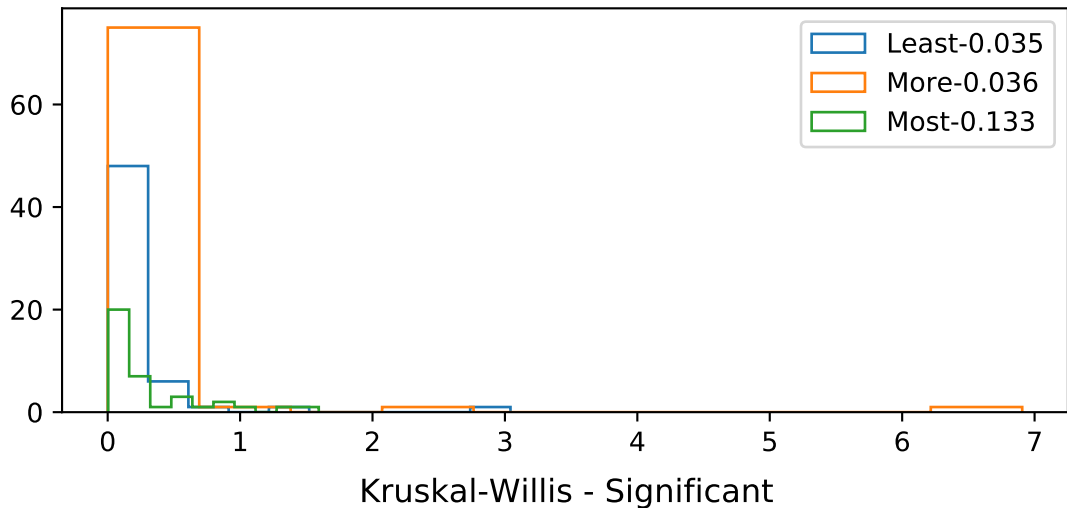
Source	ddof1	H	p-unc
x	2	60.98889456902049	5.707288358321067e-14

# Detection Preparedness vs Deaths Avg. Growth Rate(First Outbreak)



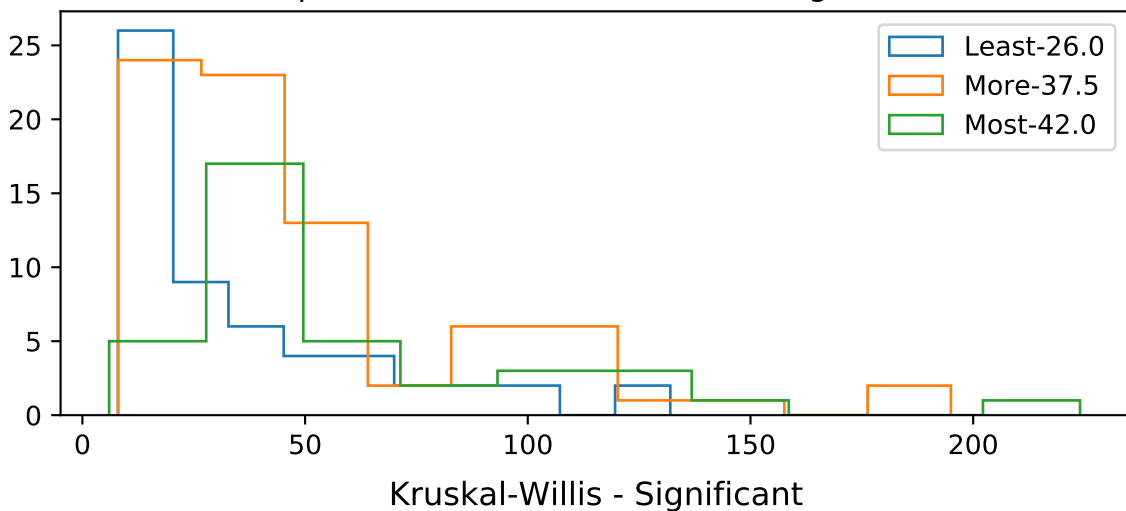
Source	ddof1	H	p-unc
Detection Preparedness	2	11.566310430352019	0.0030789852050210776

# Detection Preparedness vs Deaths Max. Growth Rate(First Outbreak)



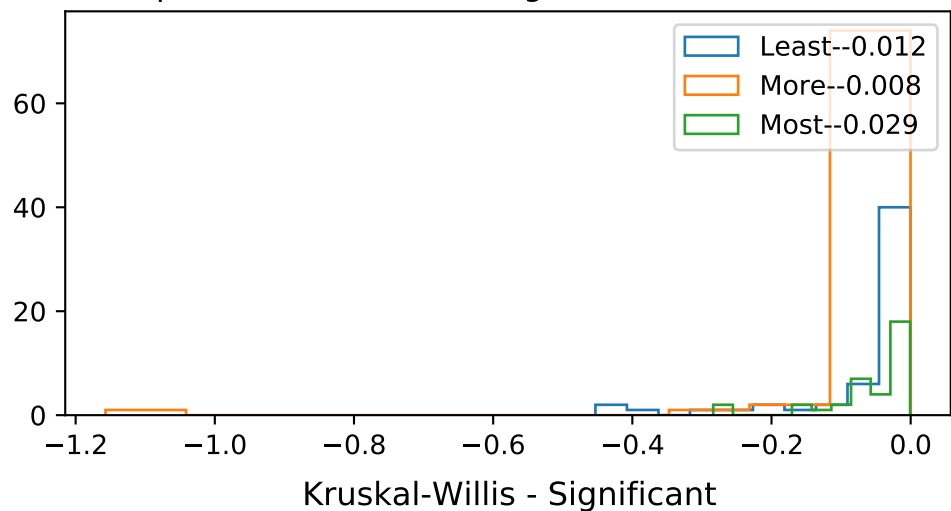
Source	ddof1	H	p-unc
Detection Preparedness	2	11.464500533139585	0.003239778659211064

# Detection Preparedness vs Deaths Growth Length(First Outbreak)



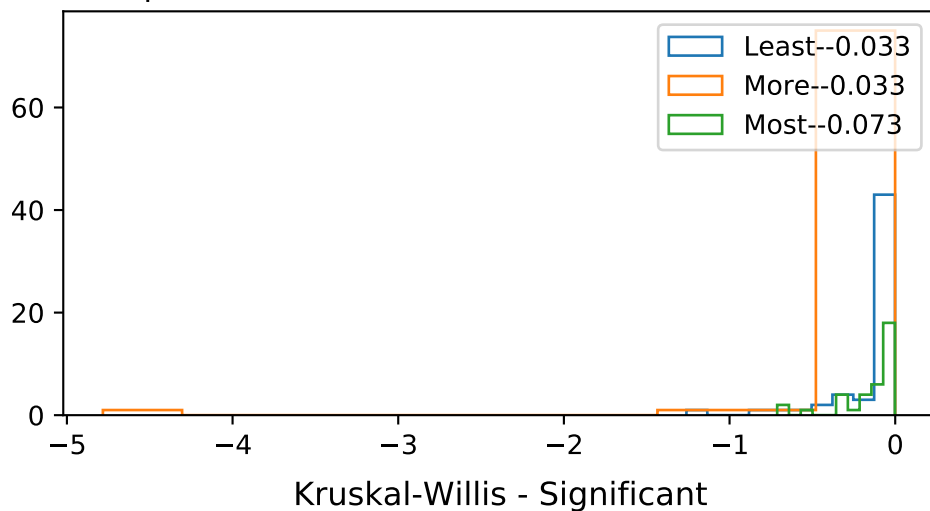
Source	ddof1	H	p-unc
Detection Preparedness	2	14.769626365746634	0.0006206065927164035

# Detection Preparedness vs Deaths Avg. Submission Rate(First Outbreak)



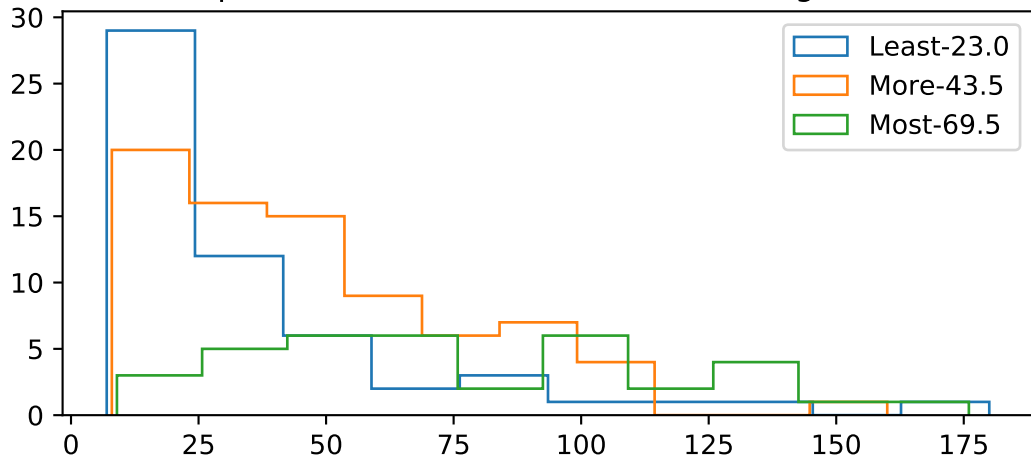
Source	ddof1	H	p-unc
Detection Preparedness	2	8.939211465062954	0.011451830044588931

# Detection Preparedness vs Deaths Max. Submission Rate(First Outbreak)



Source	ddof1	H	p-unc
Detection Preparedness	2	10.714984797337706	0.004712708898158204

# Detection Preparedness vs Deaths Submission Length(First Outbreak)

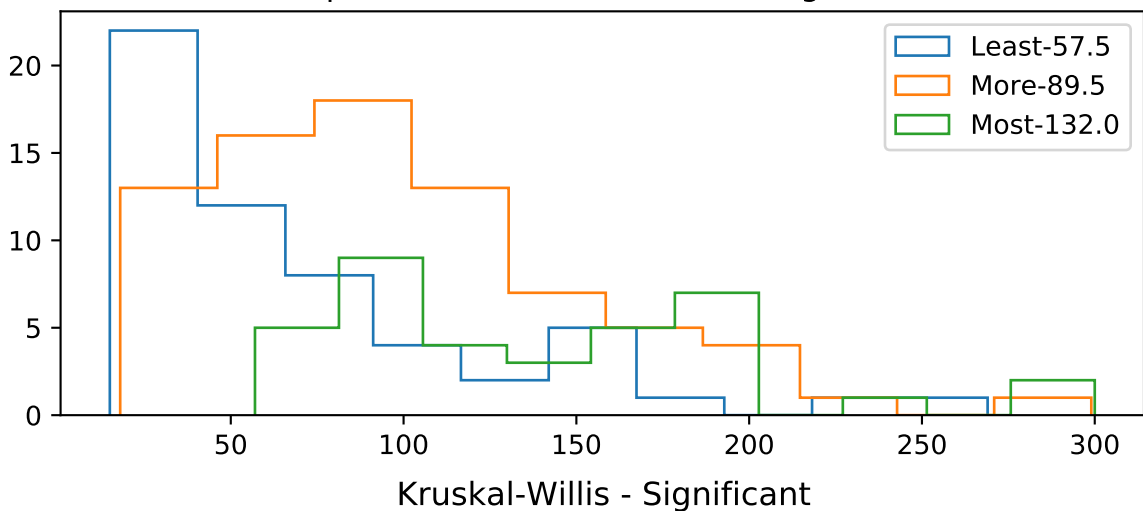


Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Detection Preparedness	2	31.247400244031176	1.6395069049985918e-07

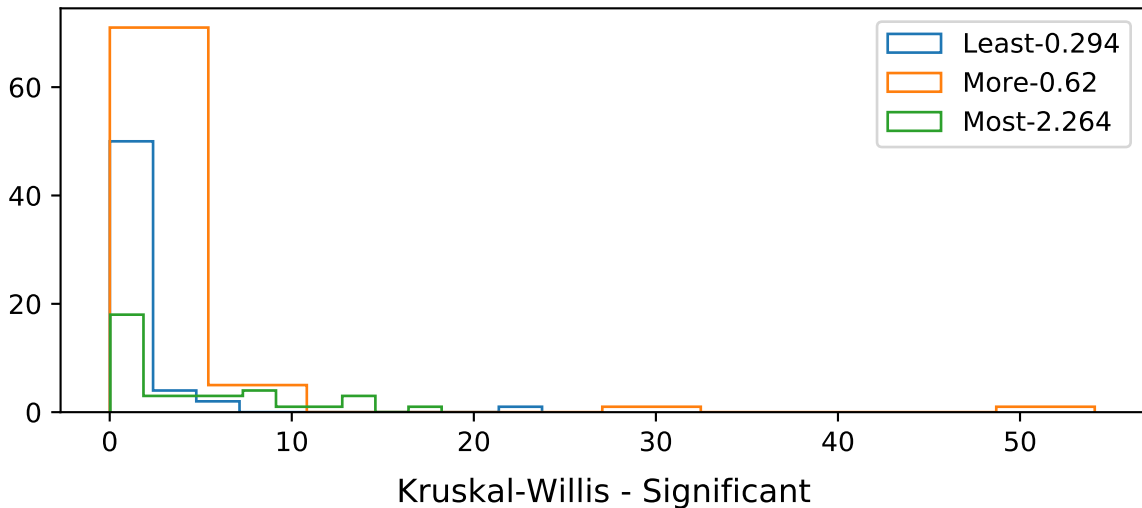


# Detection Preparedness vs Deaths Total Length(First Outbreak)



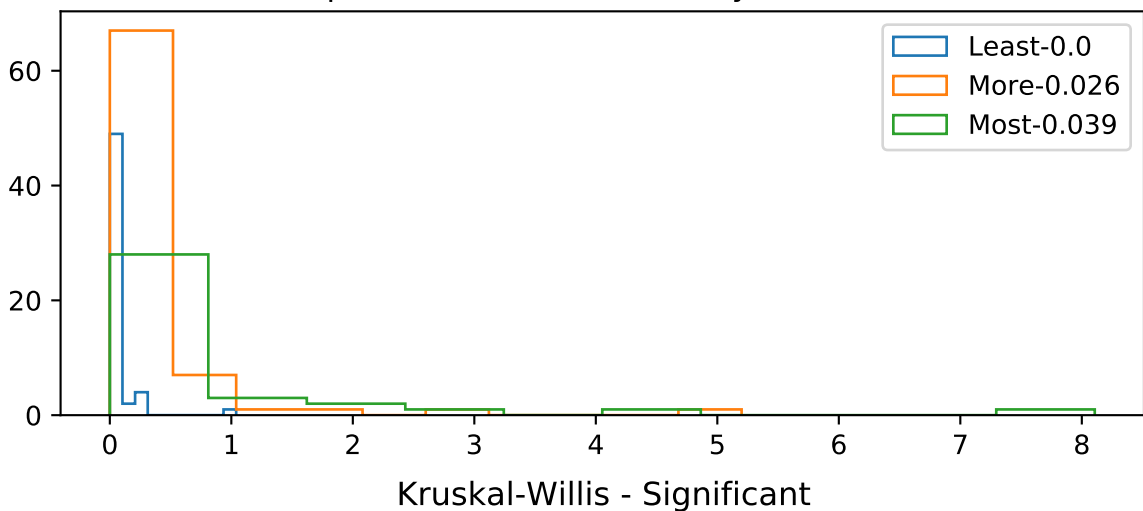
Source	ddof1	H	p-unc
Detection Preparedness	2	32.193953559112124	1.0213434529502533e-07

# Detection Preparedness vs Deaths Peak Value(First Outbreak)



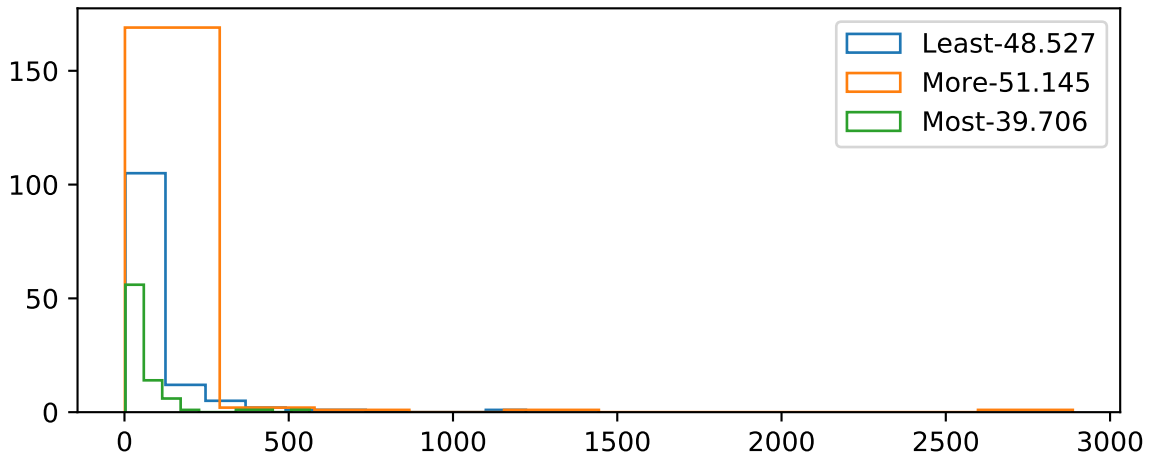
Source	ddof1	H	p-unc
Detection Preparedness	2	18.309803000575698	0.00010570044022030134

# Detection Preparedness vs Deaths Valley Value(First Outbreak)



Source	ddof1	H	p-unc
Detection Preparedness	2	21.149779517522248	2.5549577982725654e-05

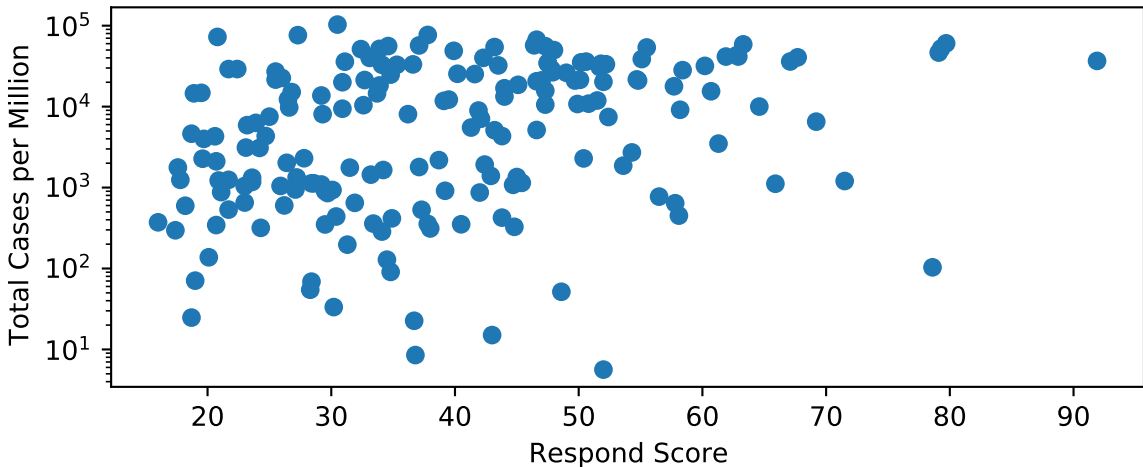
# Detection Preapardness vs Case-Death Pair Peak Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	4.283416839202573	0.11745401078348812

Respond Score vs Total Cases per Million



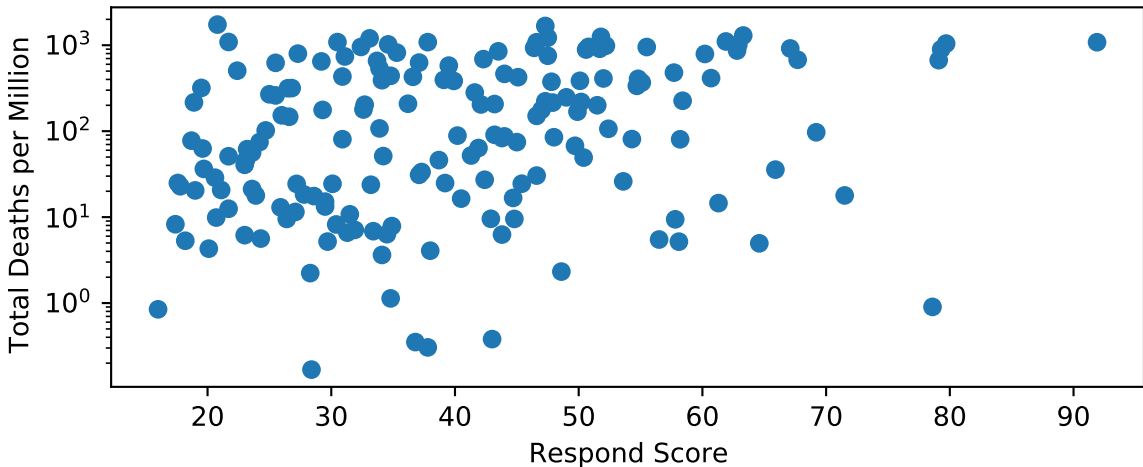
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Total Cases per Million	0.809	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.354	Moderate
P-Value	0.0	Significant

# Respond Score vs Total Deaths per Million



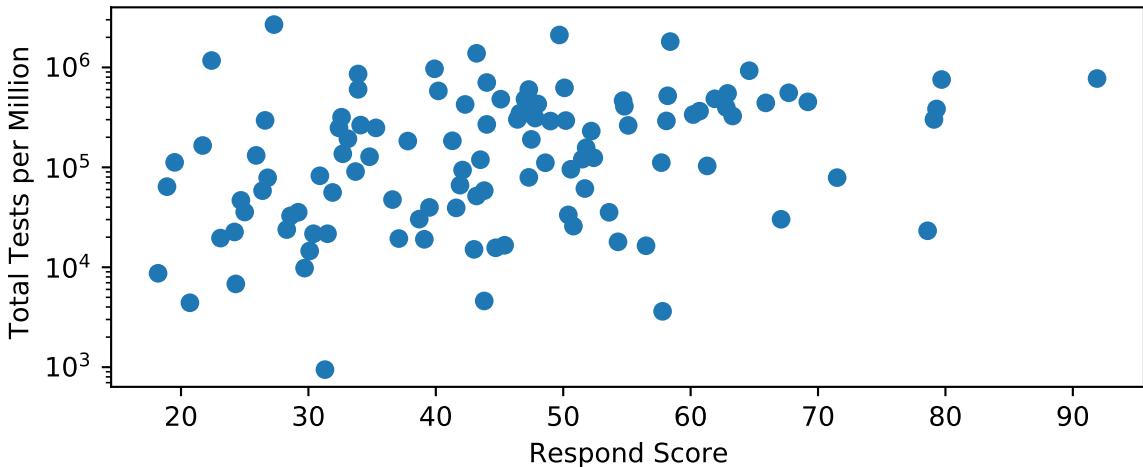
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Total Deaths per Million	0.754	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.337	Moderate
P-Value	0.0	Significant

Respond Score vs Total Tests per Million



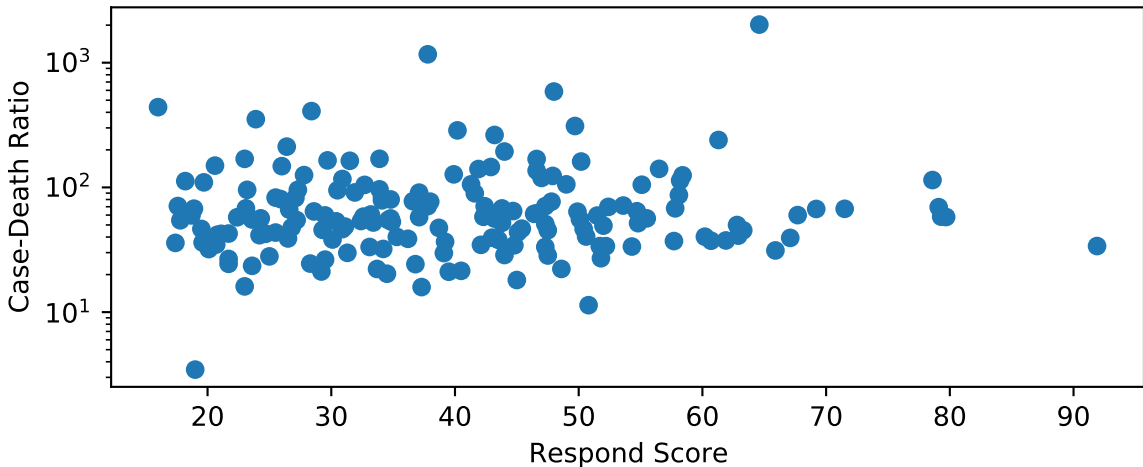
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Total Tests per Million	0.661	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.367	Moderate
P-Value	0.0	Significant

Respond Score vs Case-Death Ratio



Shapiro-Wilk Test

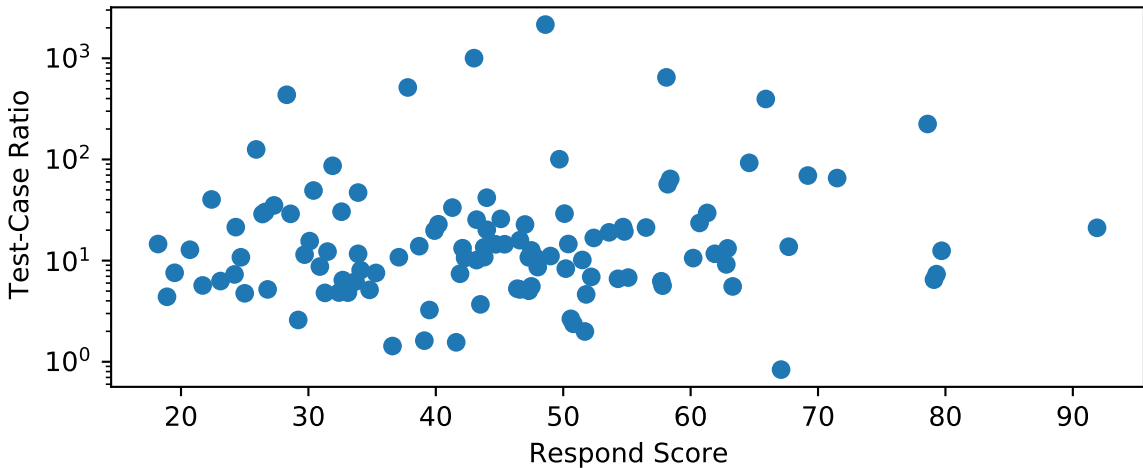
Metric	Score	P-Value
Respond Score	0.954	0.0
Case-Death Ratio	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.038	Negligible
P-Value	0.621	Not Significant



# Respond Score vs Test-Case Ratio



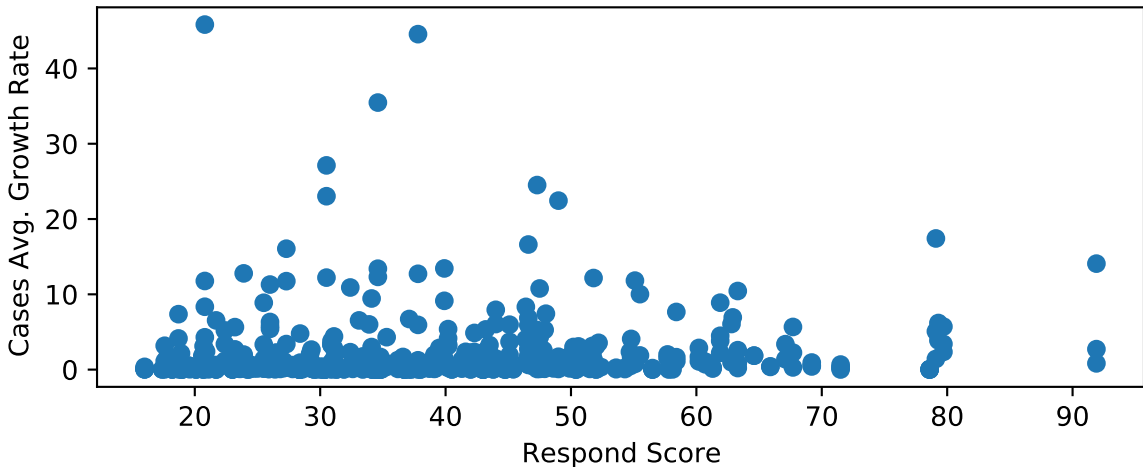
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Test-Case Ratio	0.281	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.094	Negligible
P-Value	0.323	Not Significant

Respond Score vs Cases Avg. Growth Rate



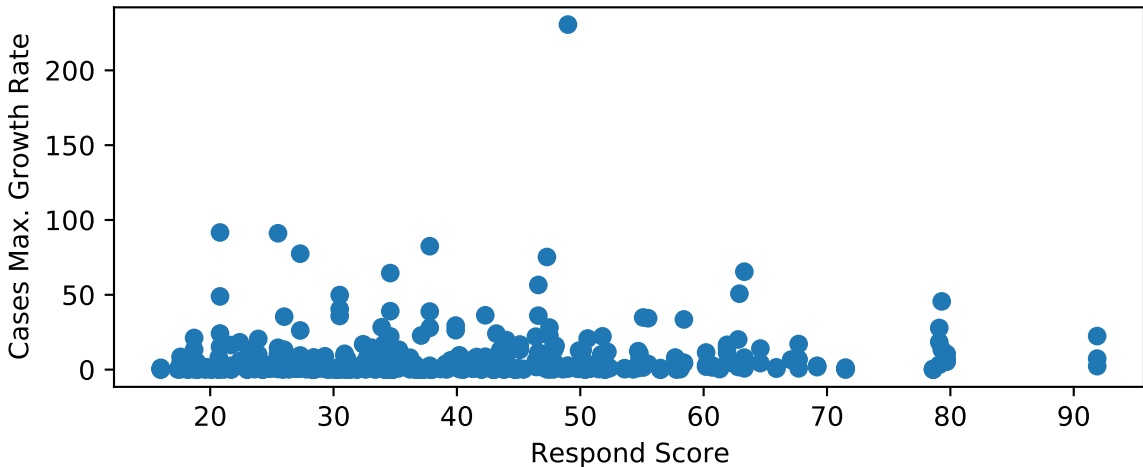
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Avg. Growth Rate	0.221	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.21	Moderate
P-Value	0.0	Significant

# Respond Score vs Cases Max. Growth Rate



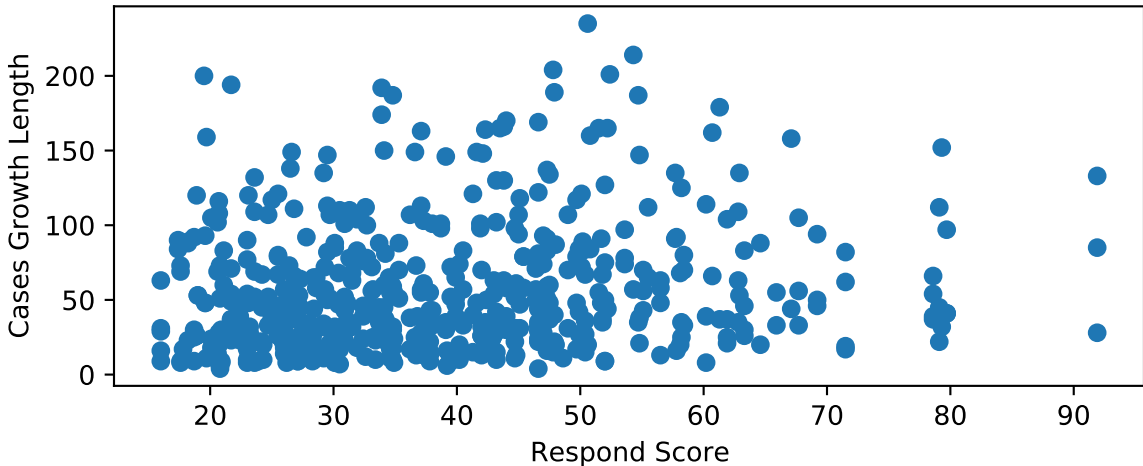
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Max. Growth Rate	0.318	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.19	Weak
P-Value	0.0	Significant

# Respond Score vs Cases Growth Length

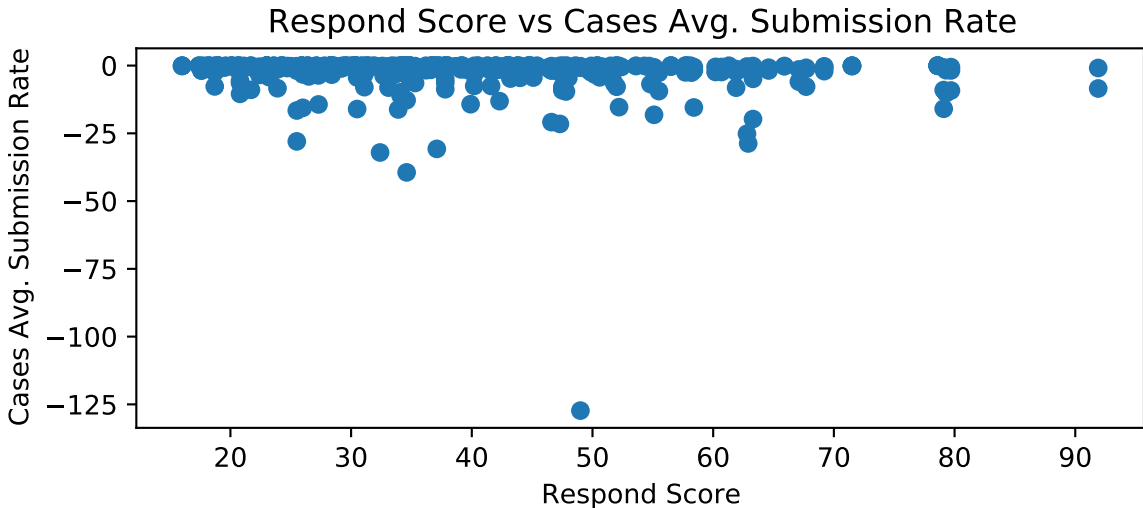


## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Growth Length	0.864	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.192	Weak
P-Value	0.0	Significant

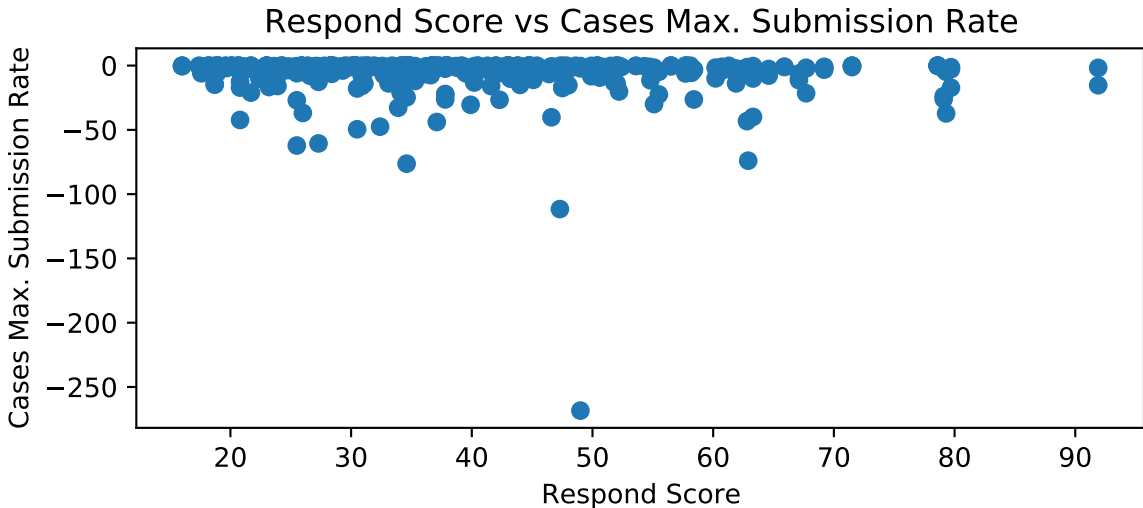


### Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Avg. Submission Rate	0.23	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.18	Weak
P-Value	0.0	Significant



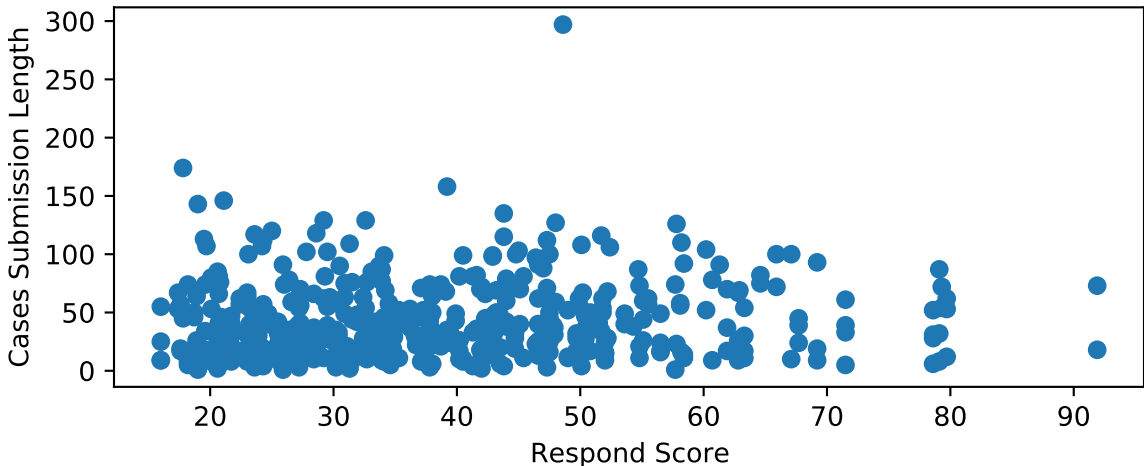
### Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Max. Submission Rate	0.274	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.155	Weak
P-Value	0.001	Significant

Respond Score vs Cases Submission Length



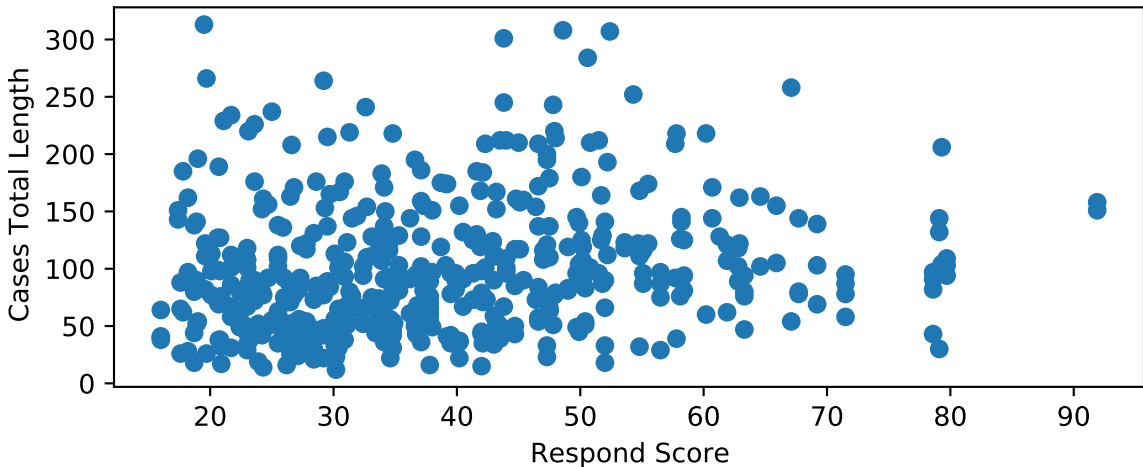
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Submission Length	0.855	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.1	Negligible
P-Value	0.028	Significant

# Respond Score vs Cases Total Length



## Shapiro-Wilk Test

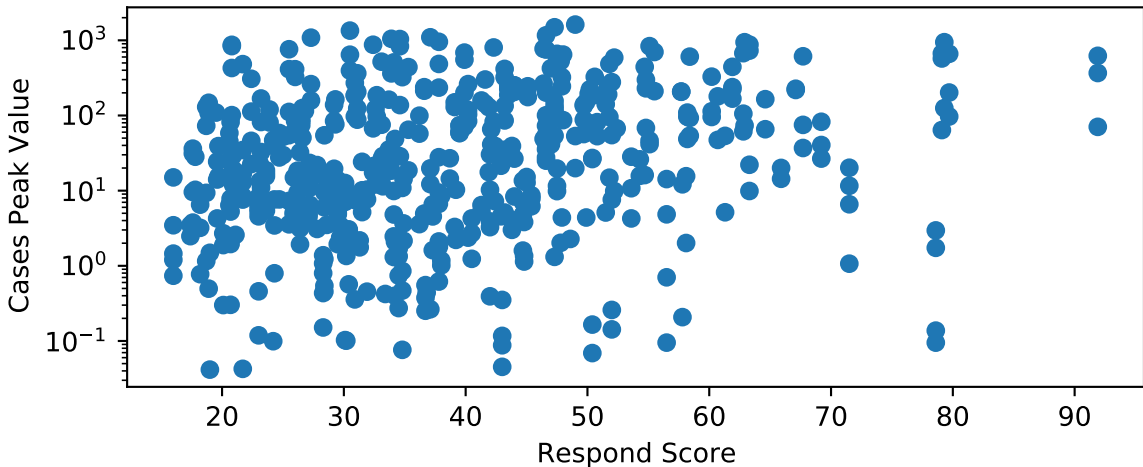
Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Total Length	0.918	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.23	Moderate
P-Value	0.0	Significant



# Respond Score vs Cases Peak Value



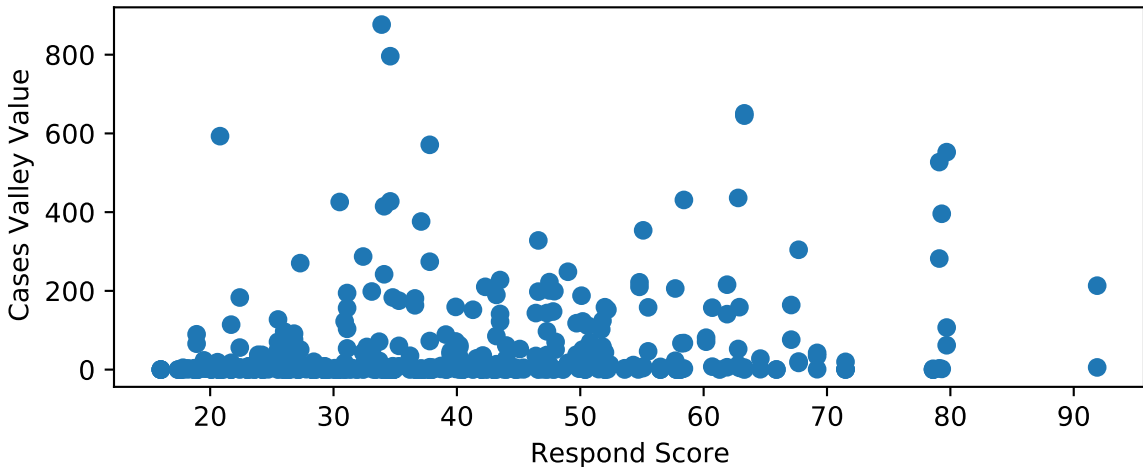
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Peak Value	0.554	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.276	Moderate
P-Value	0.0	Significant

# Respond Score vs Cases Valley Value



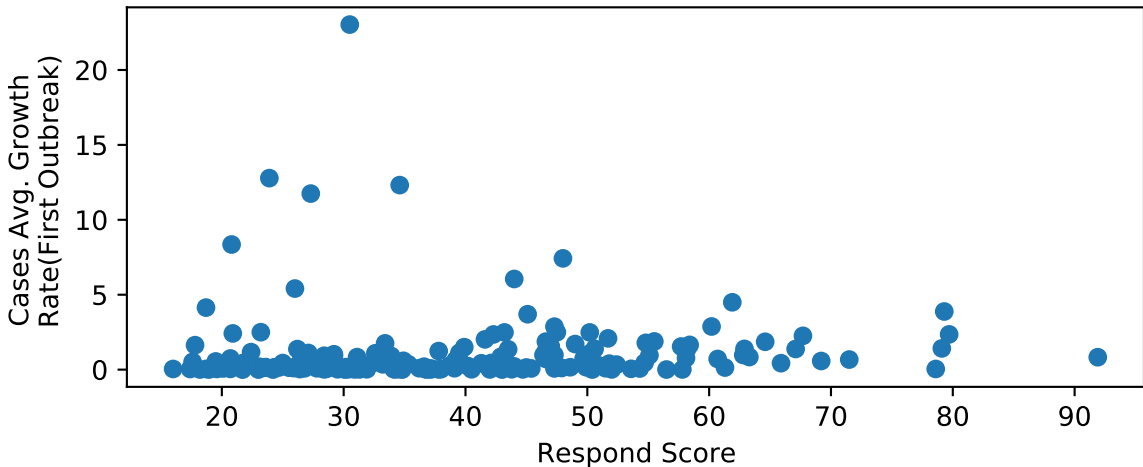
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Valley Value	0.478	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.292	Moderate
P-Value	0.0	Significant

Respond Score vs Cases Avg. Growth Rate(First Outbreak)



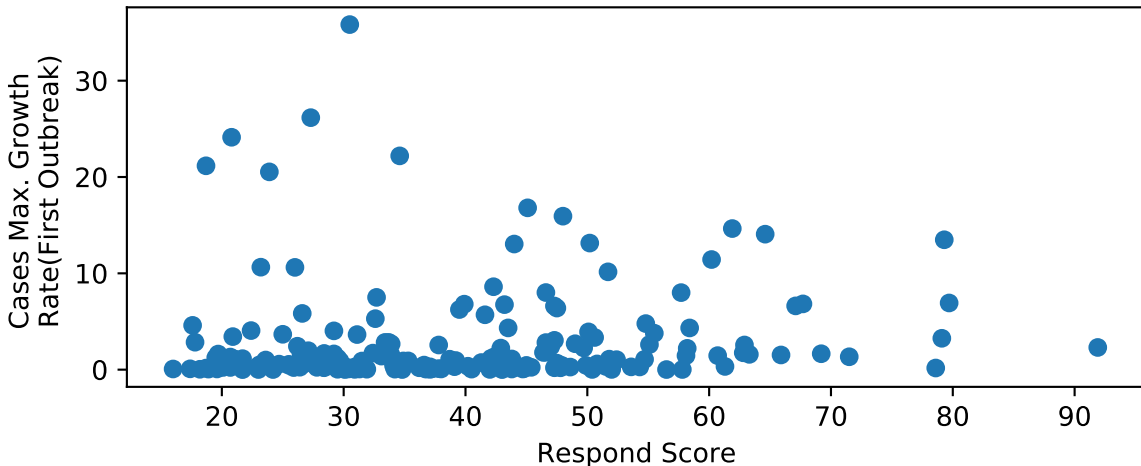
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Avg. Growth Rate(First Outbreak)	0.28	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.246	Moderate
P-Value	0.001	Significant

Respond Score vs Cases Max. Growth Rate(First Outbreak)



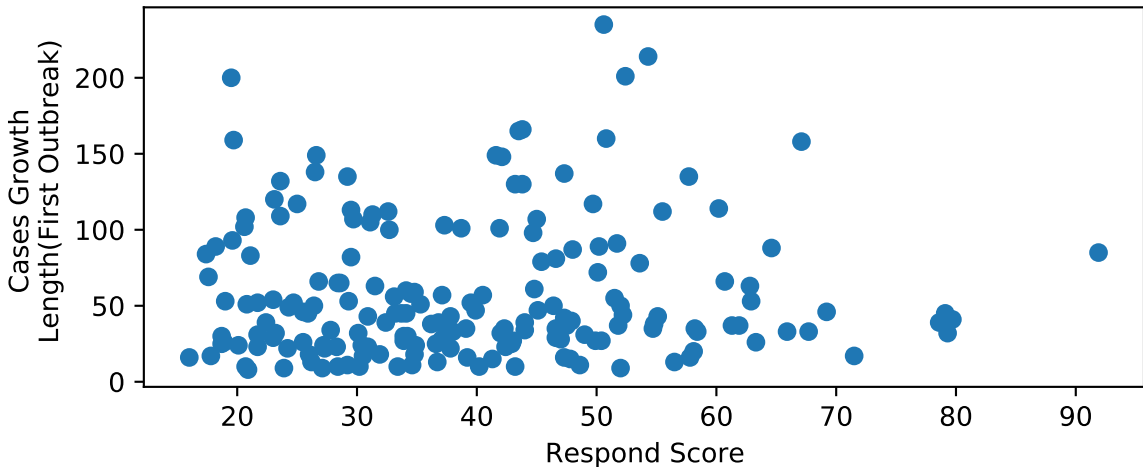
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Max. Growth Rate(First Outbreak)	0.366	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.199	Weak
P-Value	0.007	Significant

# Respond Score vs Cases Growth Length(First Outbreak)



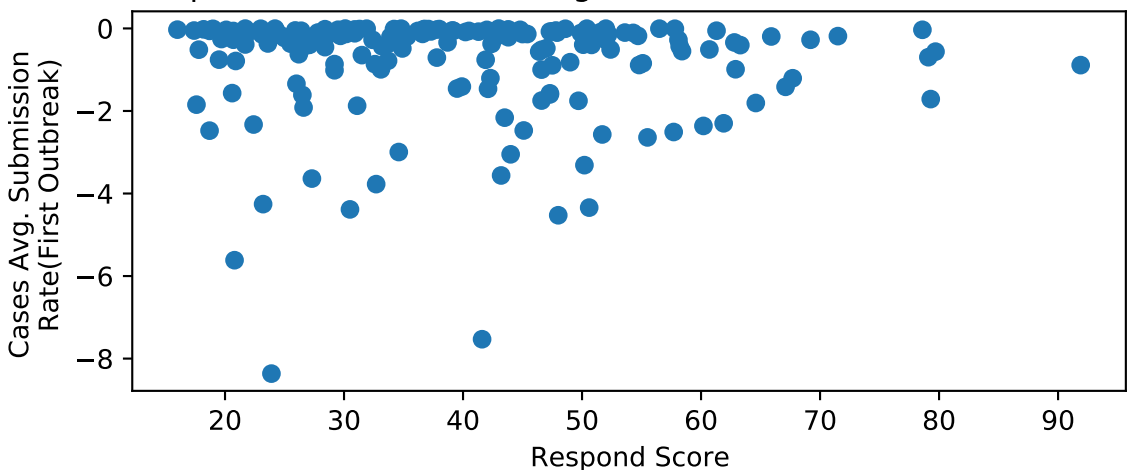
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Growth Length(First Outbreak)	0.836	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.06	Negligible
P-Value	0.418	Not Significant

Respond Score vs Cases Avg. Submission Rate(First Outbreak)



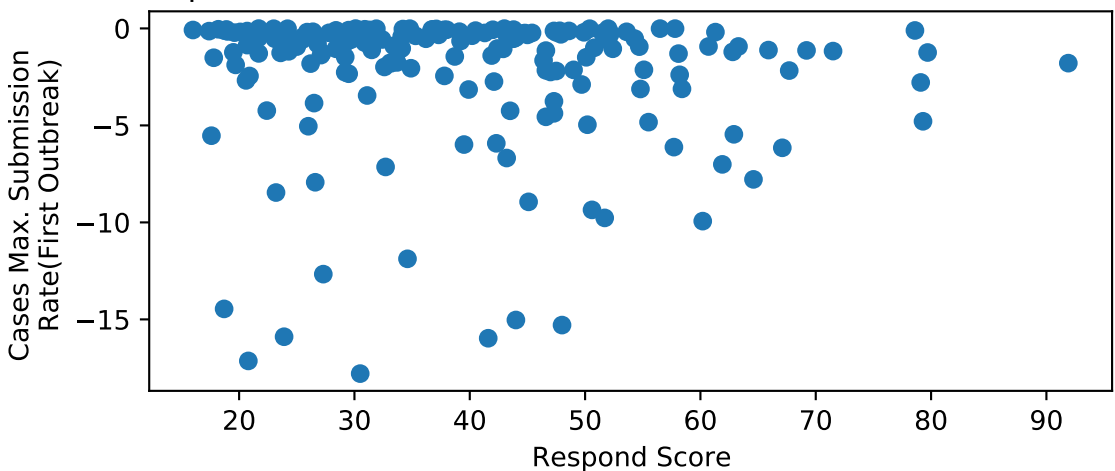
Shapiro-Wilk Test

W	Stat	P-Value
Respond Score	0.984	0.9
Cases Avg. Submission Rate(First Outbreak)	0.984	0.9

Spearman Correlation Test

Output	Results	Outcome
Score	-0.157	Weak
P-Value	0.034	Significant

Respond Score vs Cases Max. Submission Rate(First Outbreak)



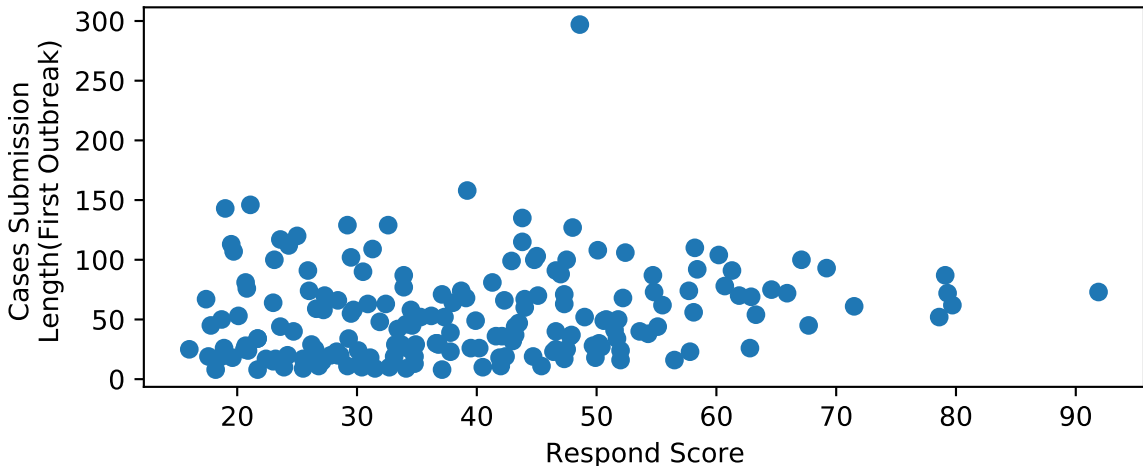
Shapiro-Wilk Test

Null	Stat	P-Value
Respond Score	0.994	0.99
Cases Max. Submission Rate(First Outbreak)	0.975	0.97

Spearman Correlation Test

Output	Results	Outcome
Score	-0.153	Weak
P-Value	0.039	Significant

Respond Score vs Cases Submission Length(First Outbreak)



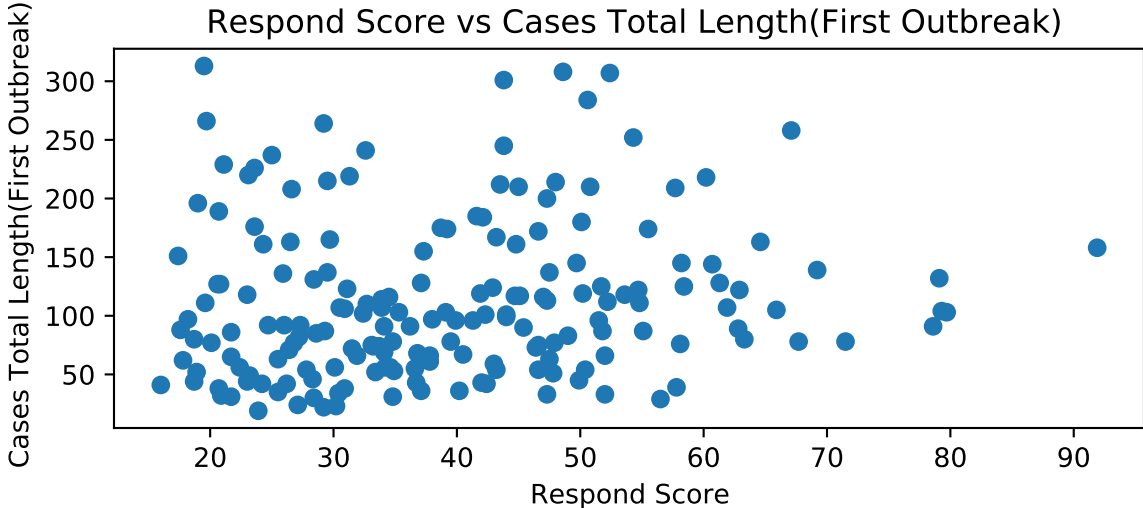
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Submission Length(First Outbreak)	0.852	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.23	Moderate
P-Value	0.002	Significant



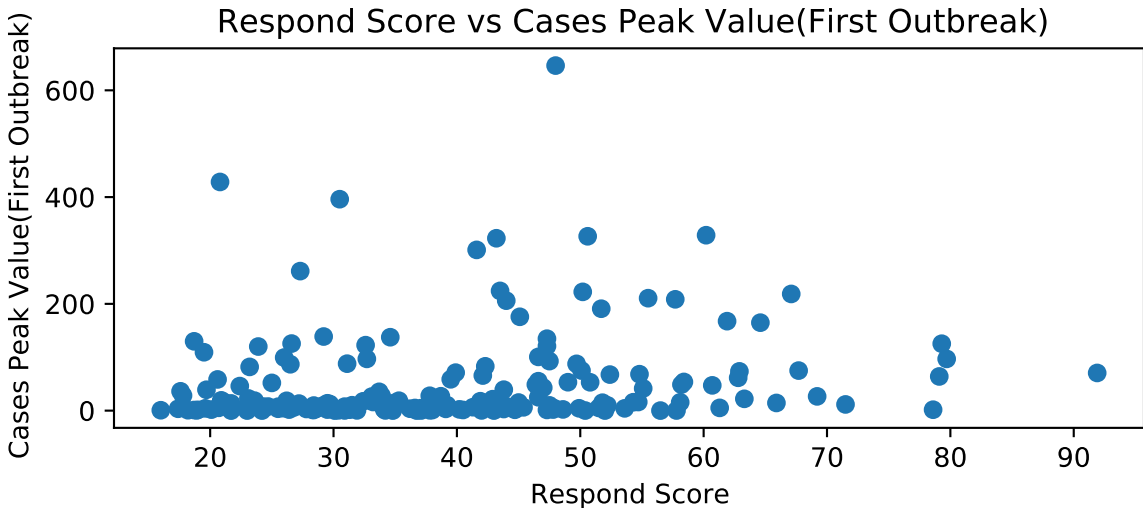


Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Total Length(First Outbreak)	0.903	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.185	Weak
P-Value	0.012	Significant

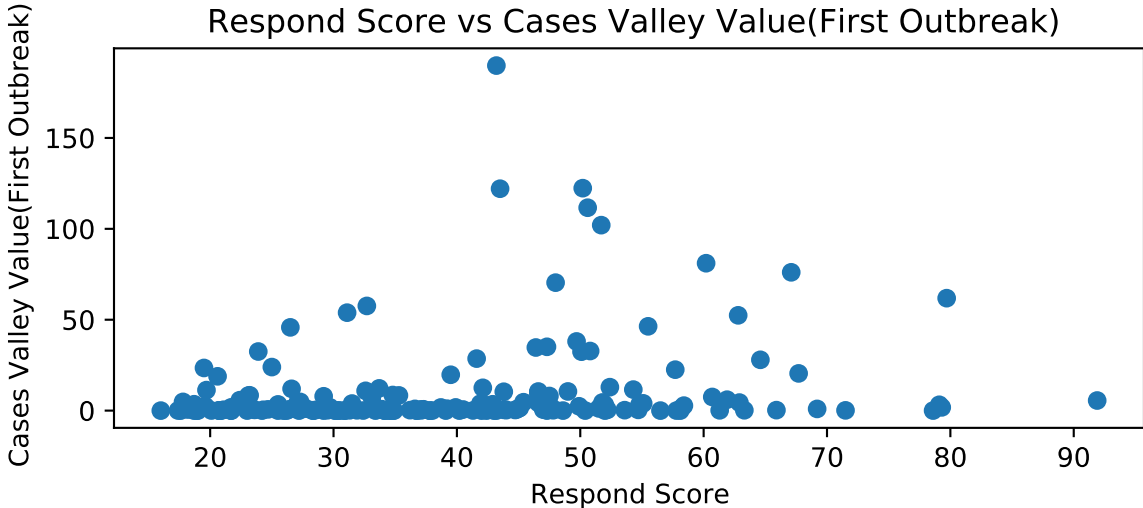


Shapiro-Wilk Test

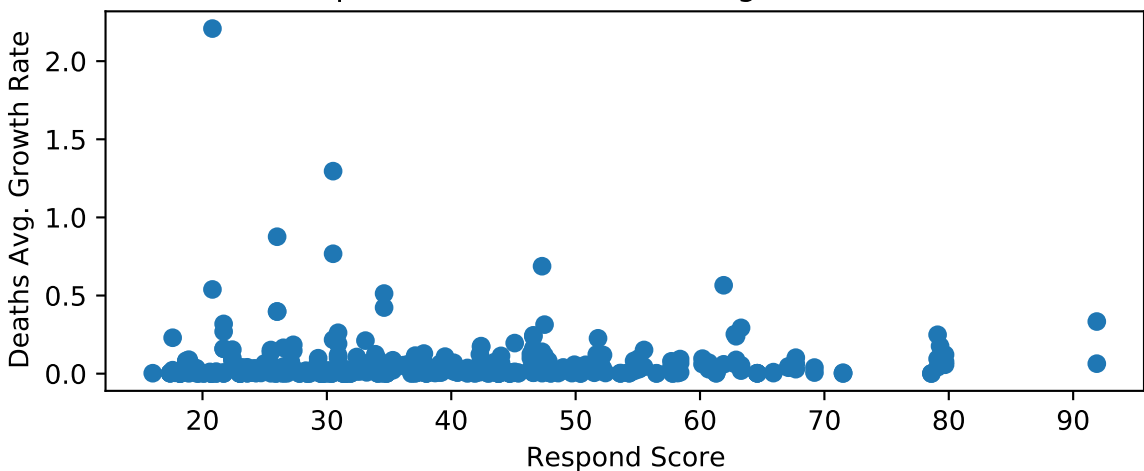
Metric	Score	P-Value
Respond Score	0.954	0.0
Cases Peak Value(First Outbreak)	0.592	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.241	Moderate
P-Value	0.001	Significant



Respond Score vs Deaths Avg. Growth Rate



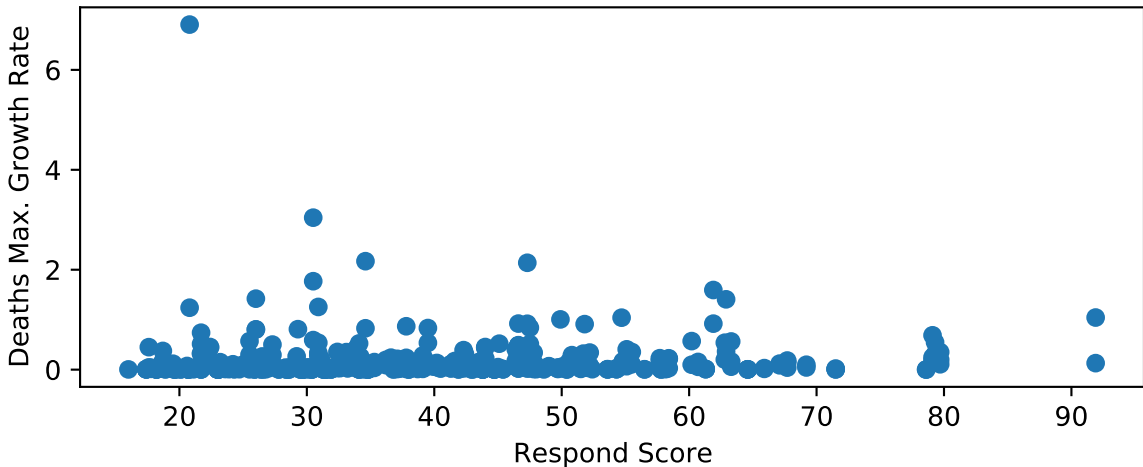
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Avg. Growth Rate	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.176	Weak
P-Value	0.0	Significant

# Respond Score vs Deaths Max. Growth Rate



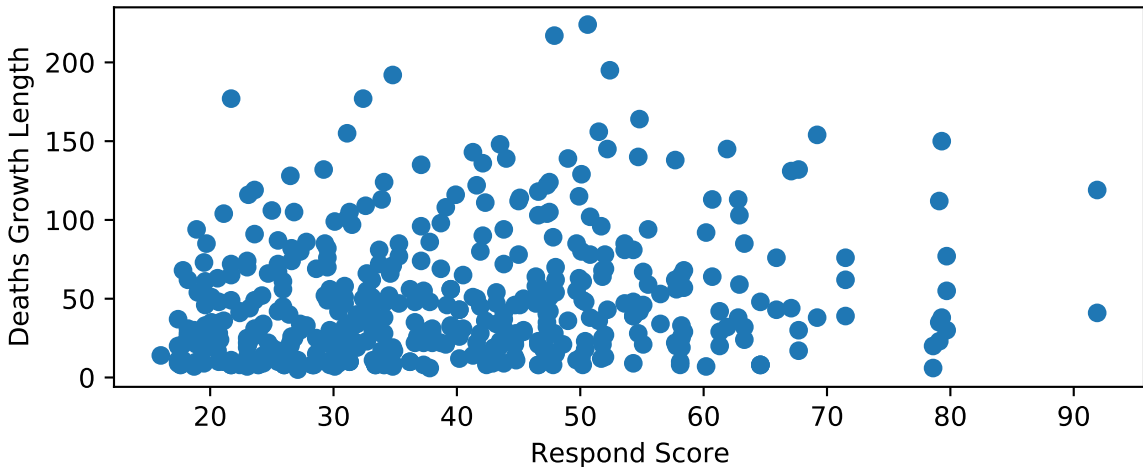
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Max. Growth Rate	0.385	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.181	Weak
P-Value	0.0	Significant

Respond Score vs Deaths Growth Length

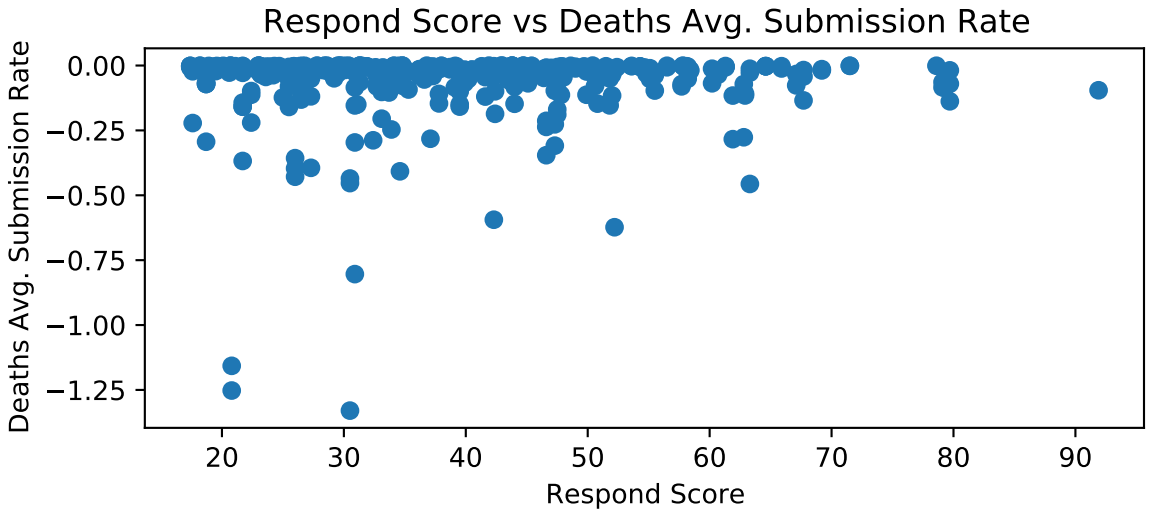


Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Growth Length	0.841	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.25	Moderate
P-Value	0.0	Significant

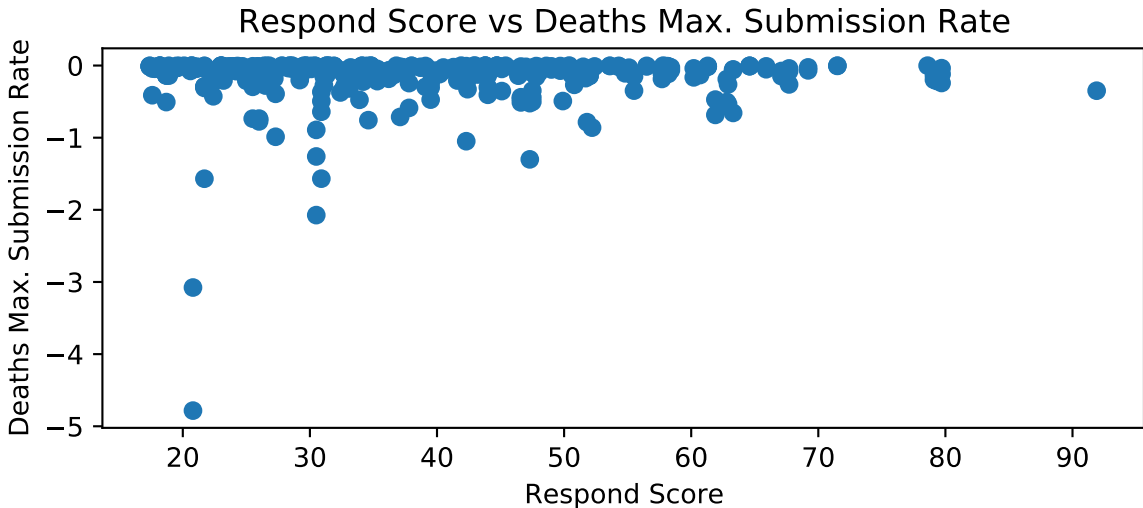


Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Avg. Submission Rate	0.402	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.12	Weak
P-Value	0.014	Significant



### Shapiro-Wilk Test

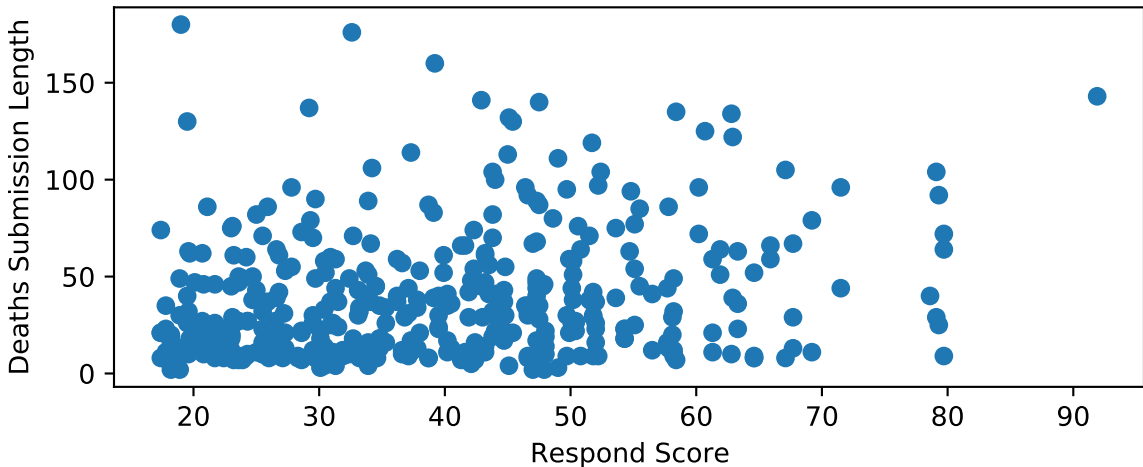
Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Max. Submission Rate	0.396	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.122	Weak
P-Value	0.013	Significant



Respond Score vs Deaths Submission Length



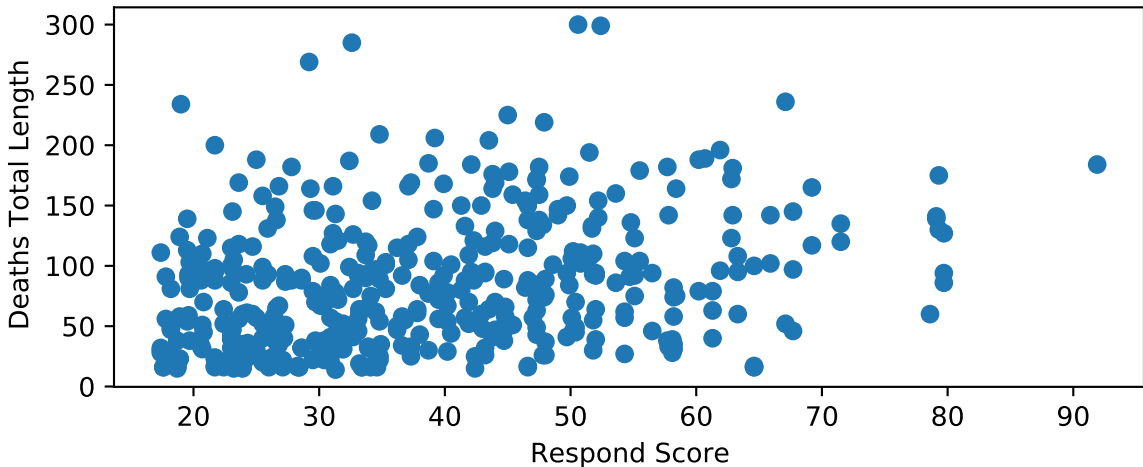
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Submission Length	0.837	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.249	Moderate
P-Value	0.0	Significant

# Respond Score vs Deaths Total Length



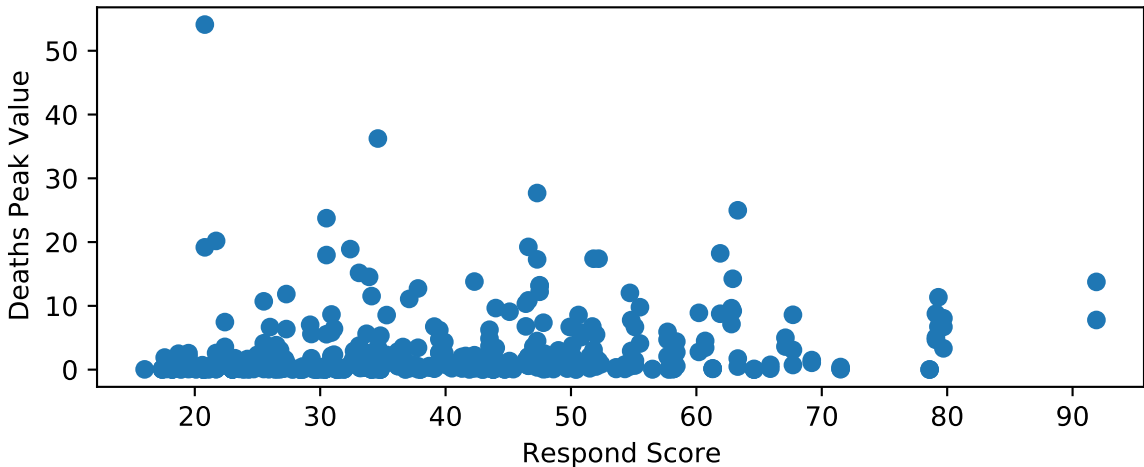
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Total Length	0.918	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.318	Moderate
P-Value	0.0	Significant

Respond Score vs Deaths Peak Value



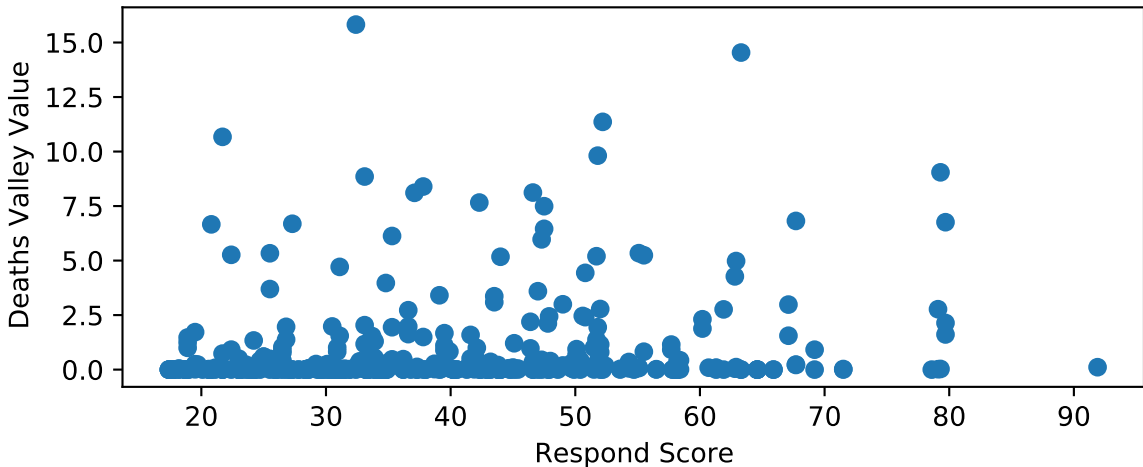
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Peak Value	0.57	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.274	Moderate
P-Value	0.0	Significant

Respond Score vs Deaths Valley Value



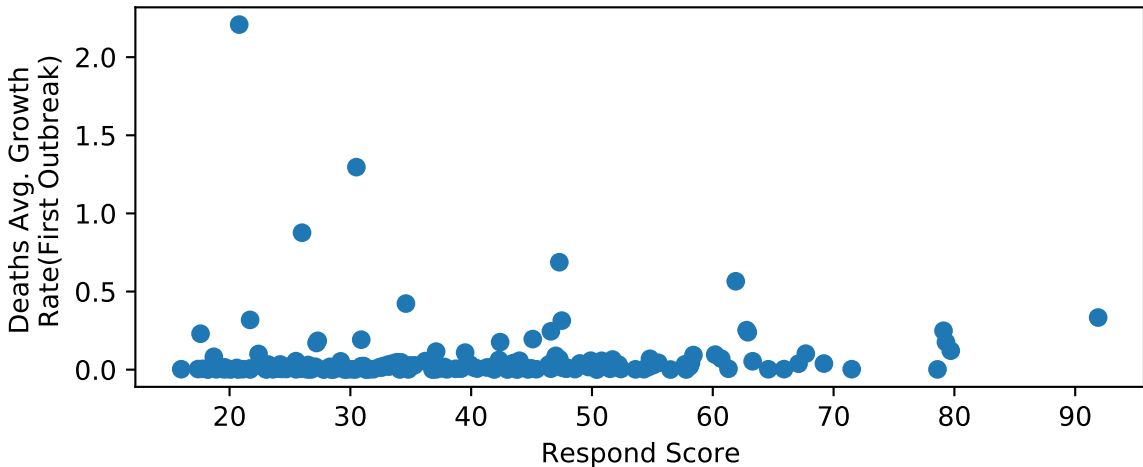
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Valley Value	0.464	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.242	Moderate
P-Value	0.0	Significant

Respond Score vs Deaths Avg. Growth Rate(First Outbreak)



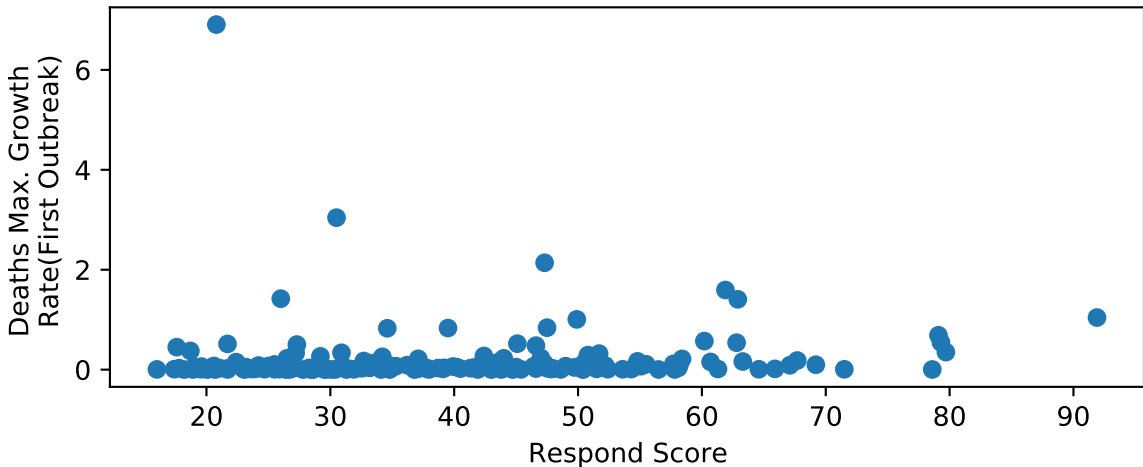
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Avg. Growth Rate(First Outbreak)	0.359	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.271	Moderate
P-Value	0.0	Significant

Respond Score vs Deaths Max. Growth Rate(First Outbreak)



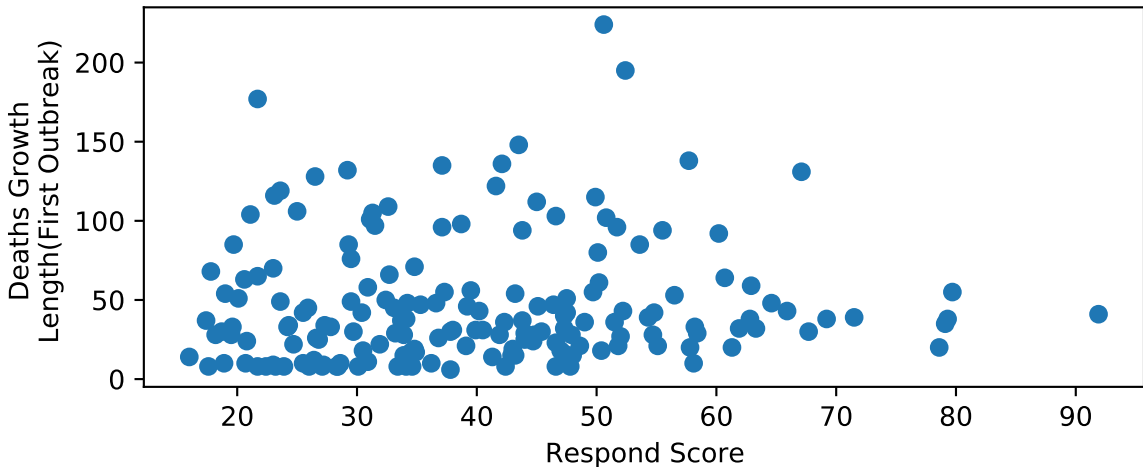
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Max. Growth Rate(First Outbreak)	0.379	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.246	Moderate
P-Value	0.001	Significant

Respond Score vs Deaths Growth Length(First Outbreak)



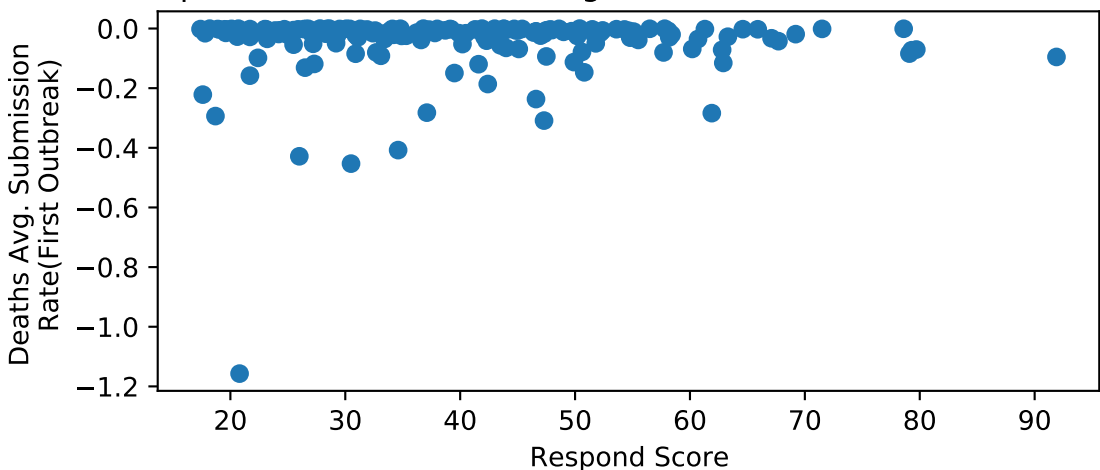
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Growth Length(First Outbreak)	0.819	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.131	Weak
P-Value	0.087	Not Significant

Respond Score vs Deaths Avg. Submission Rate(First Outbreak)



Shapiro-Wilk Test

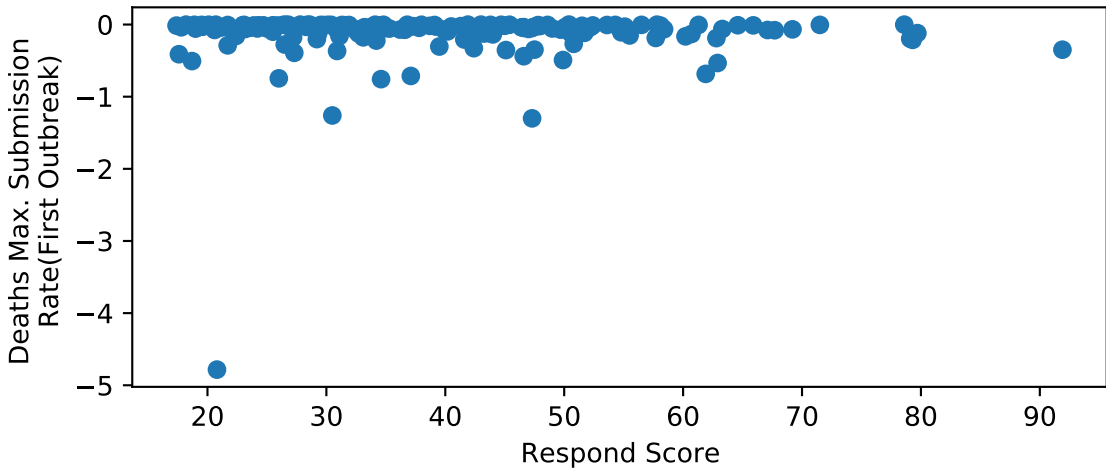
Null	Stat	P-Value
Normality	0.984	0.9
Deaths Avg. Submission Rate(First Outbreak)	0.984	0.9

Spearman Correlation Test

Output	Results	Outcome
Score	-0.122	Weak
P-Value	0.114	Not Significant



Respond Score vs Deaths Max. Submission Rate(First Outbreak)



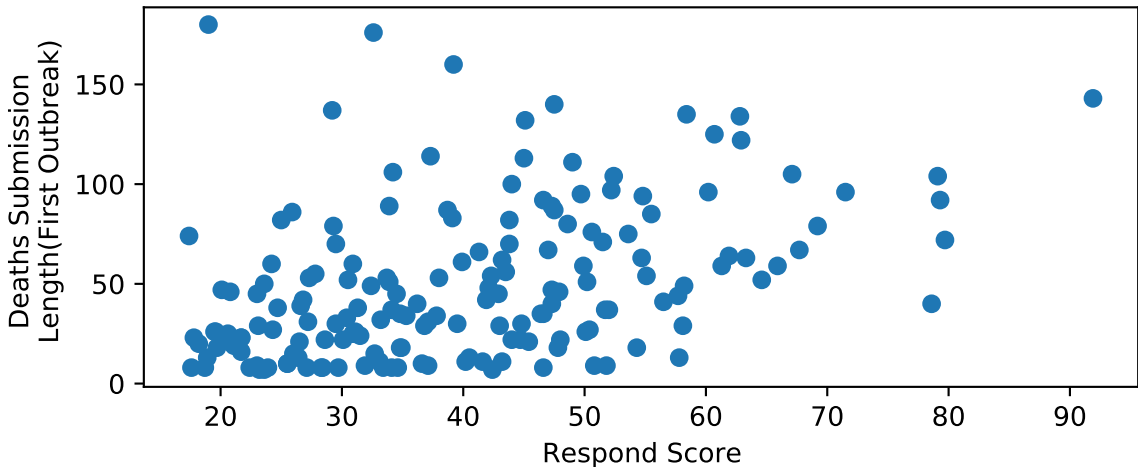
Shapiro-Wilk Test

Null	Stat	P-Value
Response Score	0.984	0.99
Deaths Max. Submission Rate(First Outbreak)	0.931	0.99

Spearman Correlation Test

Output	Results	Outcome
Score	-0.145	Weak
P-Value	0.06	Not Significant

Respond Score vs Deaths Submission Length(First Outbreak)



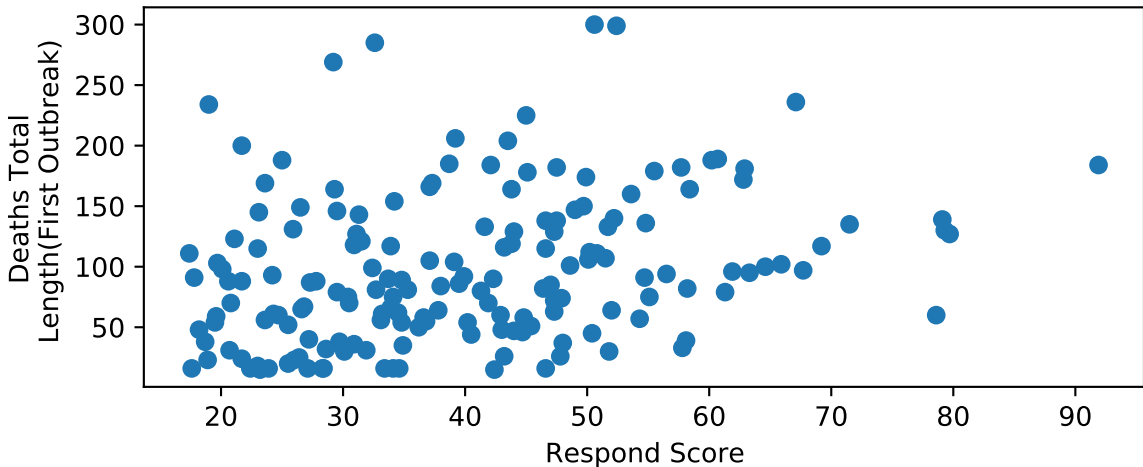
Shapiro-Wilk Test

Test	Score	P-Value
Shapiro-Wilk	0.981	0.99
Deaths Submission Length(First Outbreak)	0.981	0.99

Spearman Correlation Test

Output	Results	Outcome
Score	0.448	Relatively Strong
P-Value	0.0	Significant

# Respond Score vs Deaths Total Length(First Outbreak)

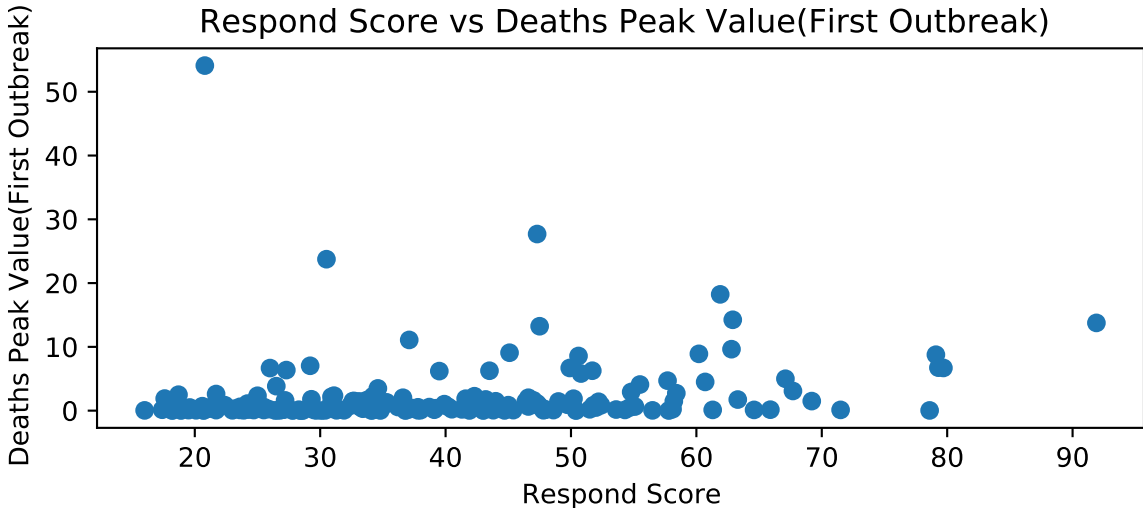


## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Total Length(First Outbreak)	0.926	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.322	Moderate
P-Value	0.0	Significant



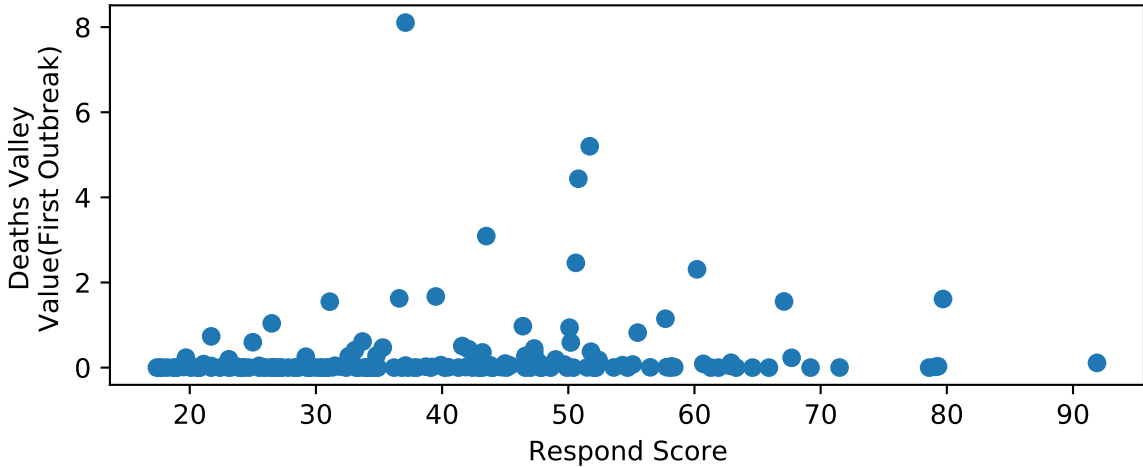
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Peak Value(First Outbreak)	0.492	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.292	Moderate
P-Value	0.0	Significant

# Respond Score vs Deaths Valley Value(First Outbreak)



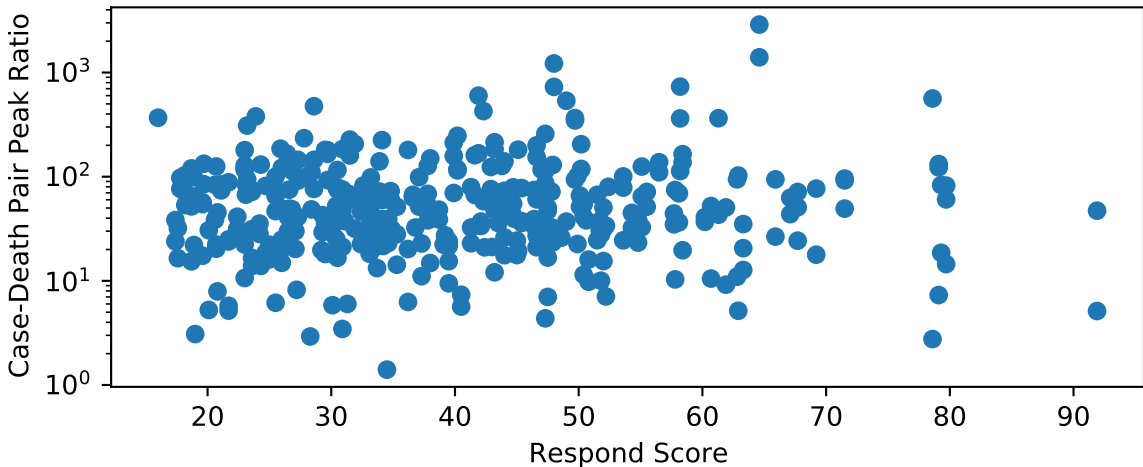
## Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Deaths Valley Value(First Outbreak)	0.339	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.261	Moderate
P-Value	0.001	Significant

Respond Score vs Case-Death Pair Peak Ratio



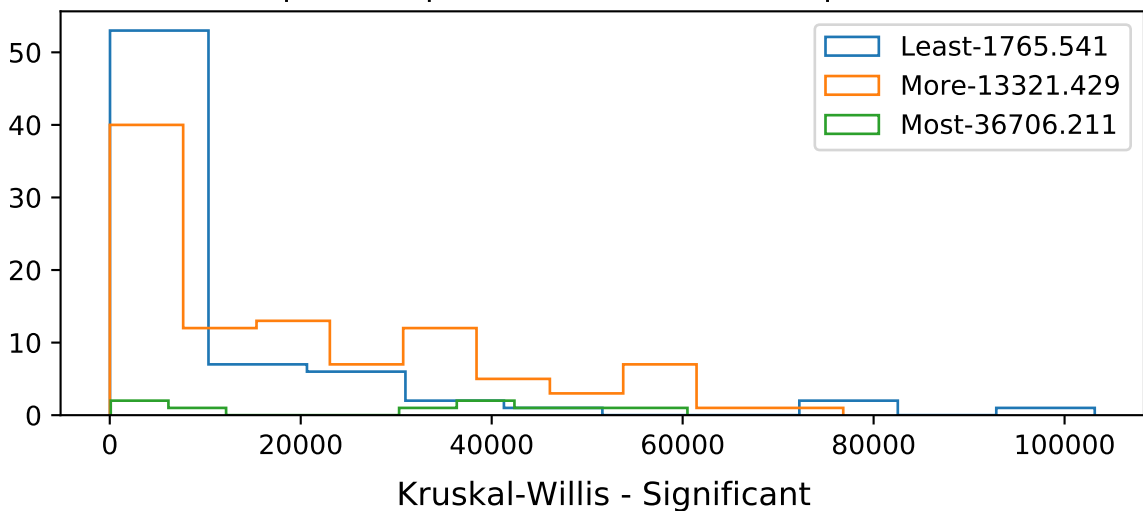
Shapiro-Wilk Test

Metric	Score	P-Value
Respond Score	0.954	0.0
Case-Death Pair Peak Ratio	0.324	0.0

Spearman Correlation Test

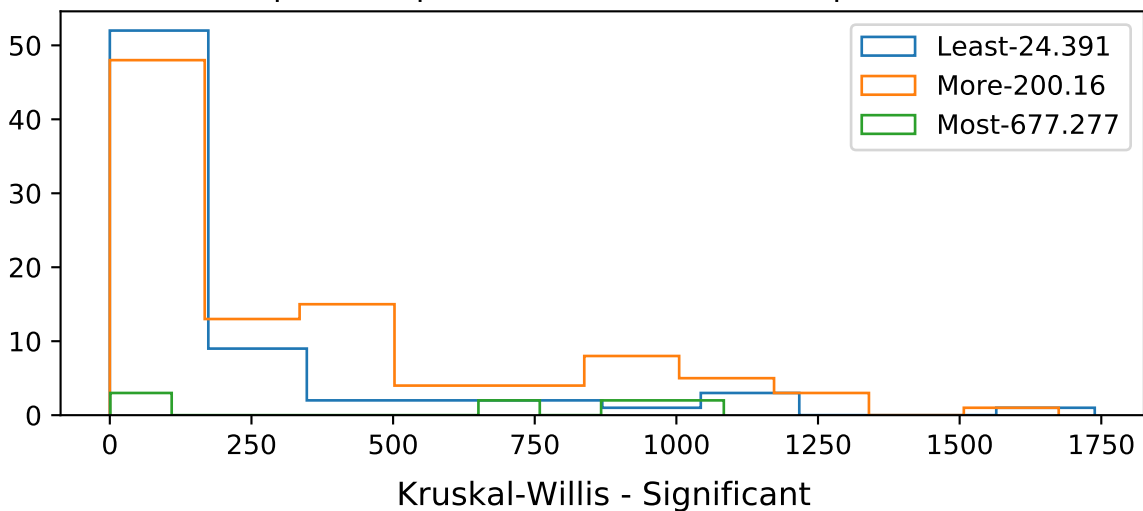
Output	Results	Outcome
Score	0.028	Negligible
P-Value	0.59	Not Significant

# Respond Preparedness vs Total Cases per Million



Source	ddof1	H	p-unc
Respond Preparedness	2	15.582473915739683	0.0004133412818773222

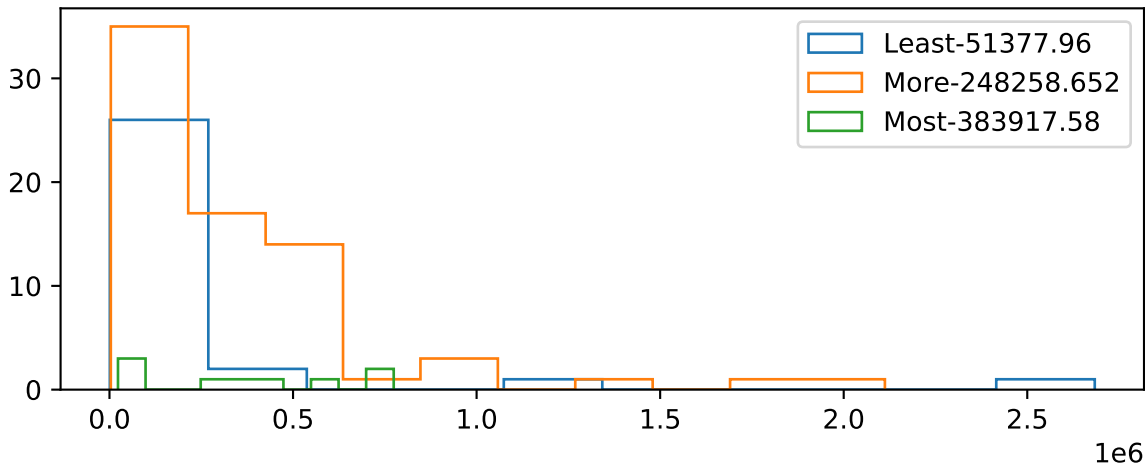
# Respond Preparedness vs Total Deaths per Million



Source	ddof1	H	p-unc
Respond Preparedness	2	14.980125195620188	0.0005586079917480053



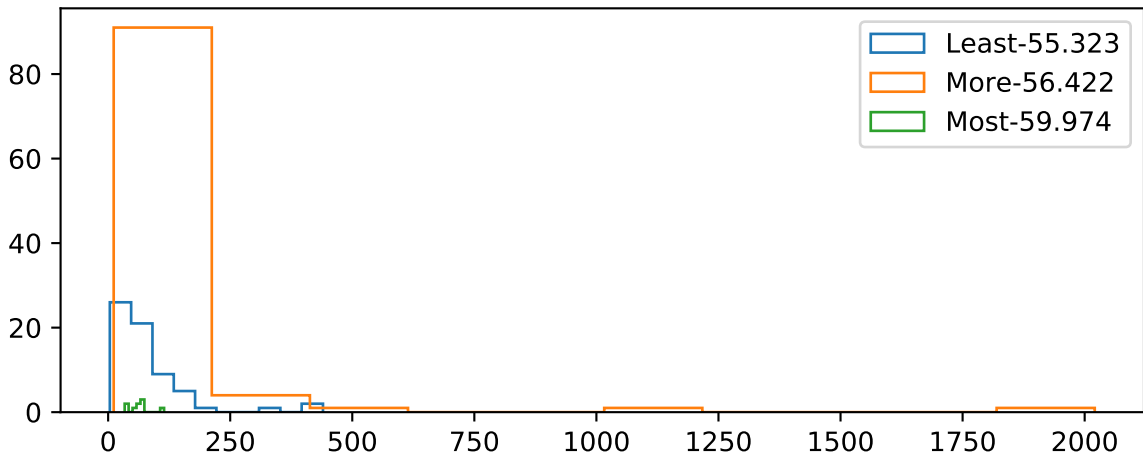
# Respond Preparedness vs Total Tests per Million



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	13.319009663509007	0.0012817809104737447

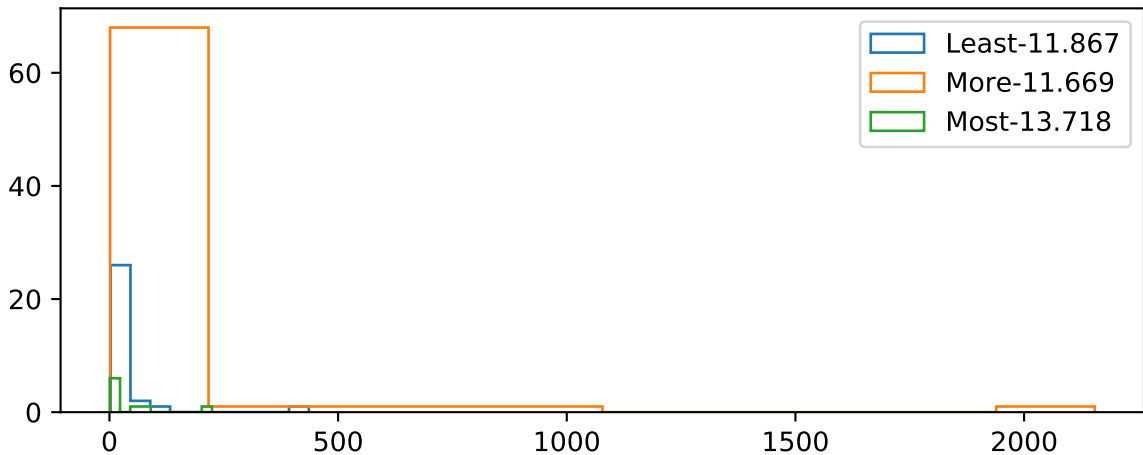
# Respond Preparedness vs Case-Death Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	0.10584490820122028	0.9484535583148815

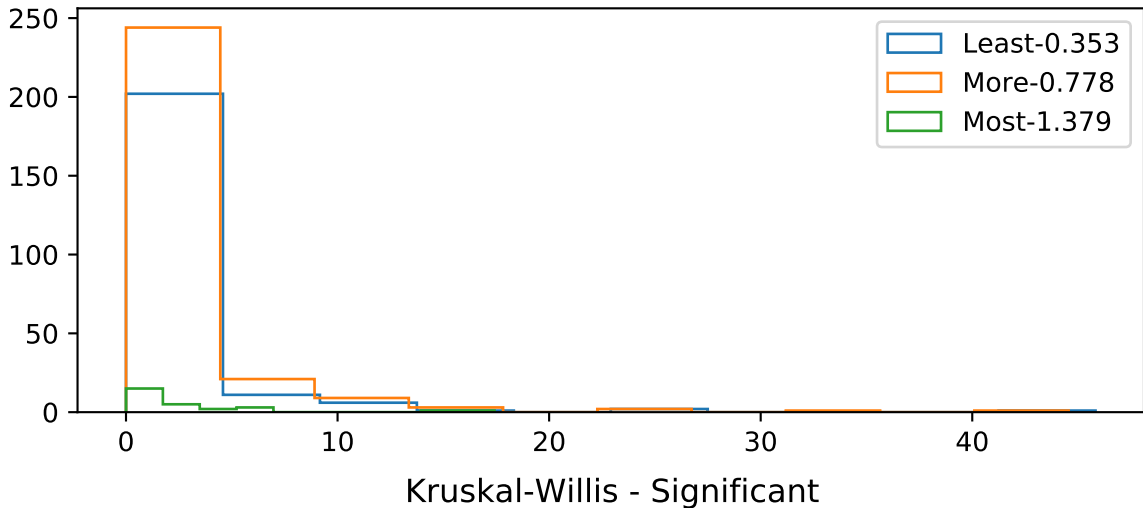
# Respond Preparedness vs Test-Case Ratio



Kruskal-Willis - Not Significant

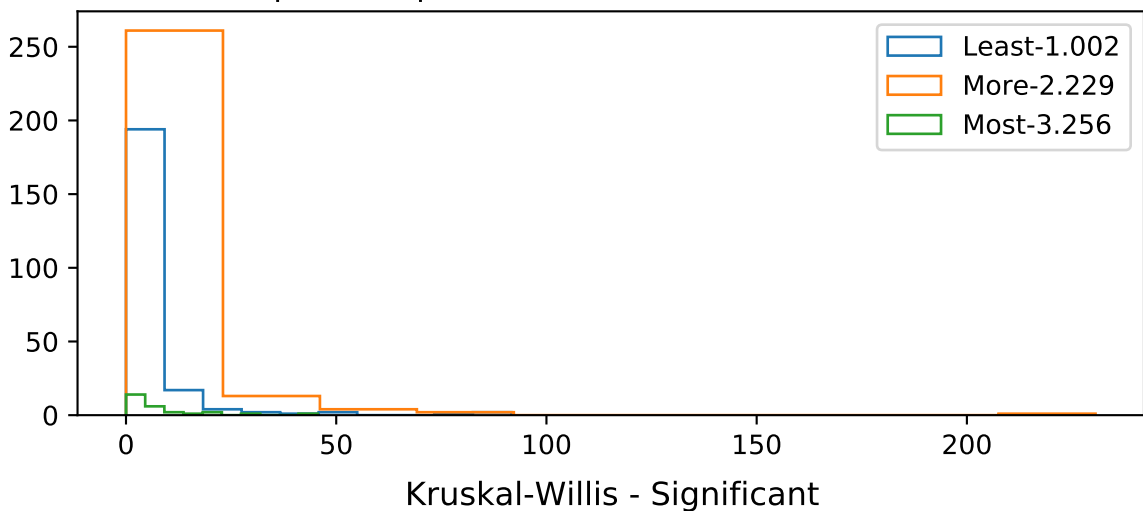
Source	ddof1	H	p-unc
Respond Preparedness	2	0.4638052808709858	0.7930233279541707

# Respond Preparedness vs Cases Avg. Growth Rate



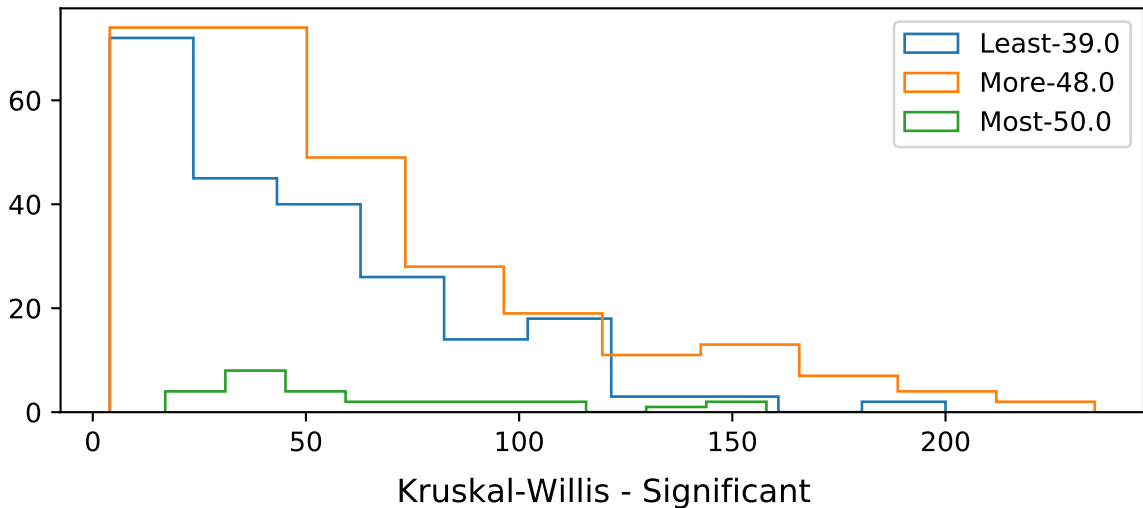
Source	ddof1	H	p-unc
x	2	13.622816640610154	0.0011011410481651135

# Respond Preparedness vs Cases Max. Growth Rate



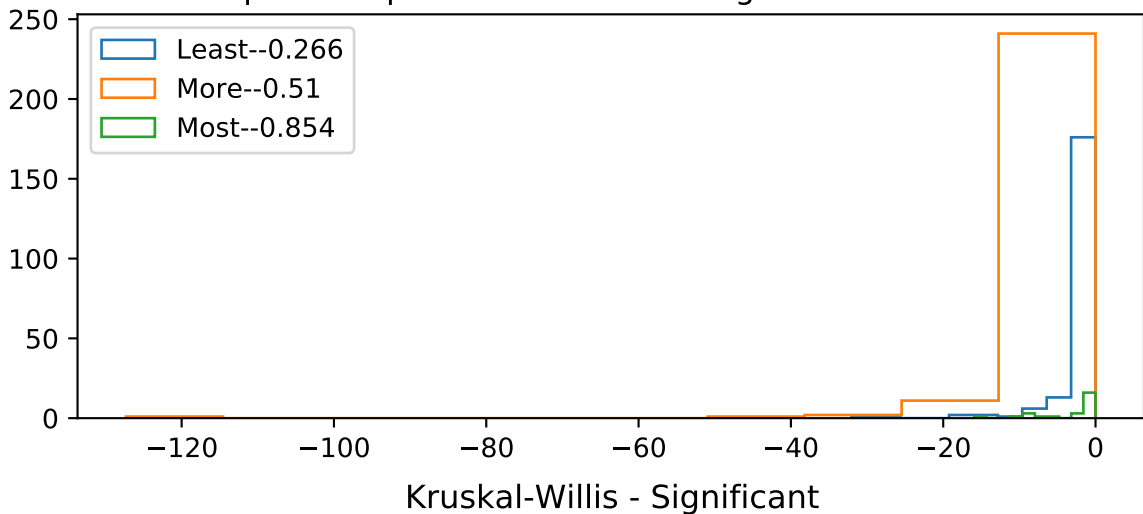
Source	ddof1	H	p-unc
x	2	10.523339069680333	0.005186638213001724

# Respond Preparedness vs Cases Growth Length



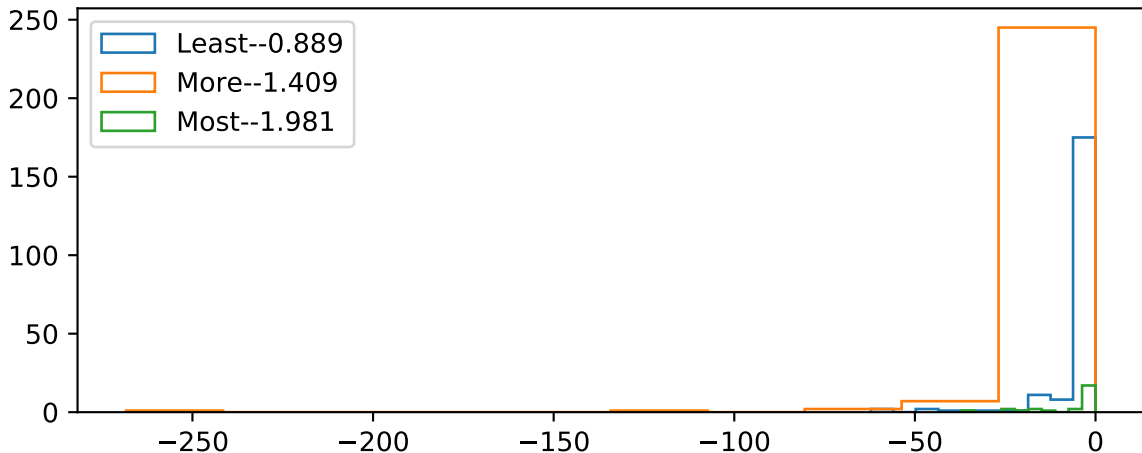
Source	ddof1	H	p-unc
x	2	12.283491110065942	0.00215116536160624

# Respond Preparedness vs Cases Avg. Submission Rate



Source	ddof1	H	p-unc
x	2	7.6956842297677195	0.02132570524477682

# Respond Prepardness vs Cases Max. Submission Rate

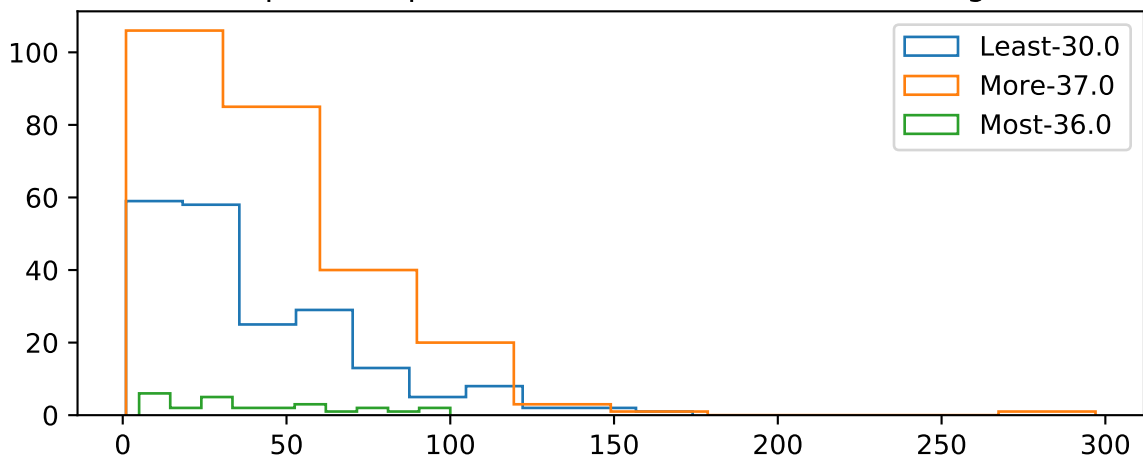


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	5.646243965666047	0.059420144159907505



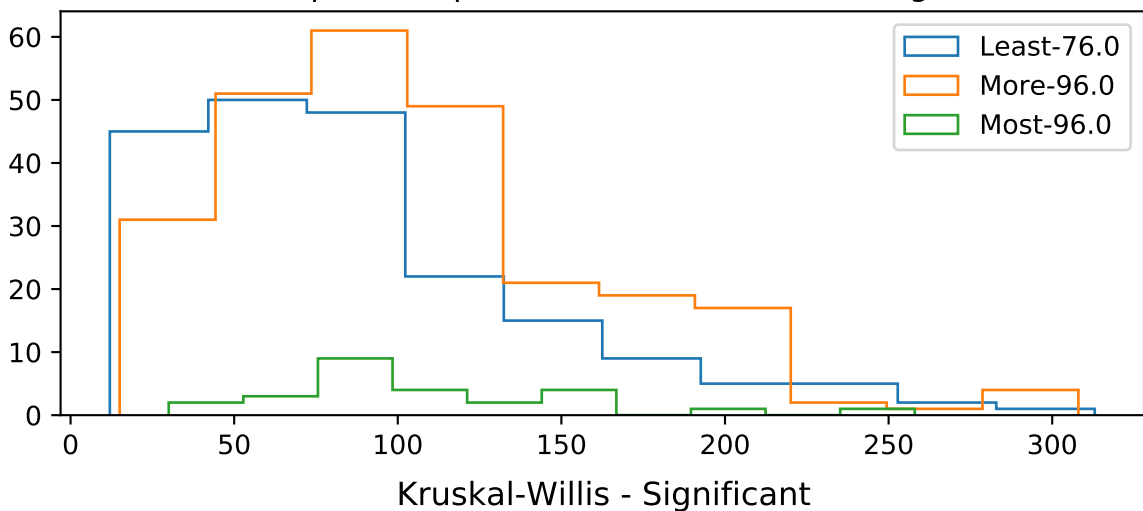
# Respond Preparedness vs Cases Submission Length



Kruskal-Willis - Not Significant

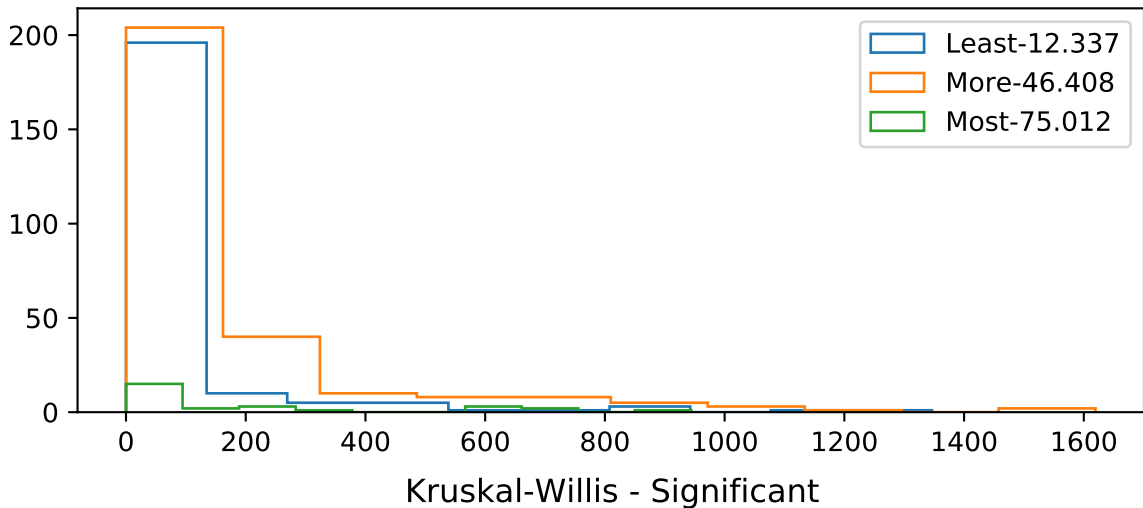
Source	ddof1	H	p-unc
x	2	3.9308268718308343	0.14009795311525136

# Respond Preparedness vs Cases Total Length



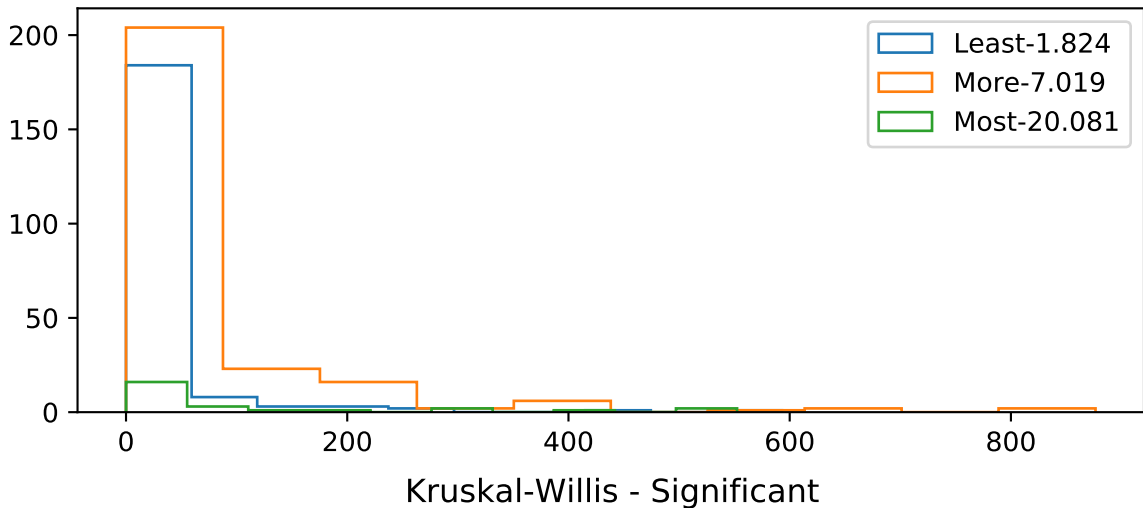
Source	ddof1	H	p-unc
x	2	17.692842024890133	0.00014389581712175988

# Respond Preparedness vs Cases Peak Value



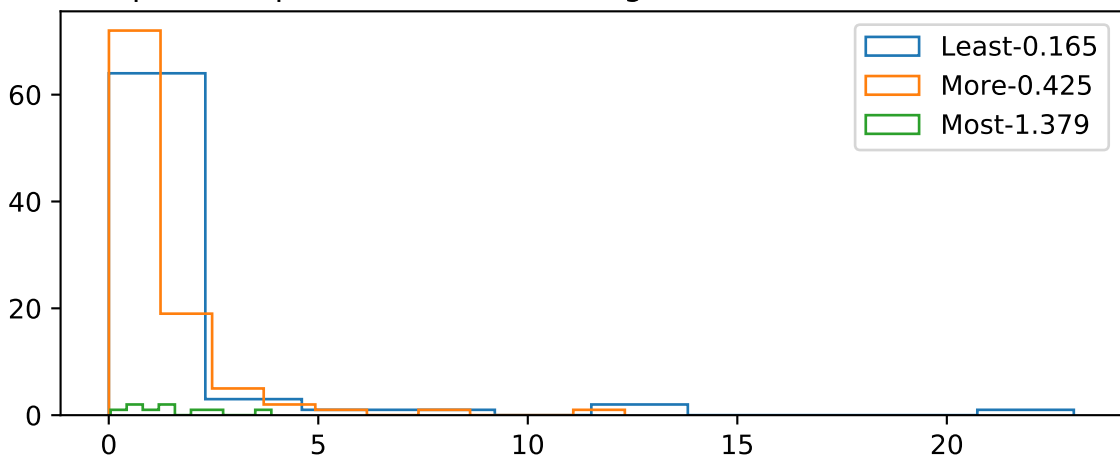
Source	ddof1	H	p-unc
x	2	22.964887005752644	1.0309512936784387e-05

# Respond Preparedness vs Cases Valley Value



Source	ddof1	H	p-unc
x	2	23.756457470364015	6.9398615363303535e-06

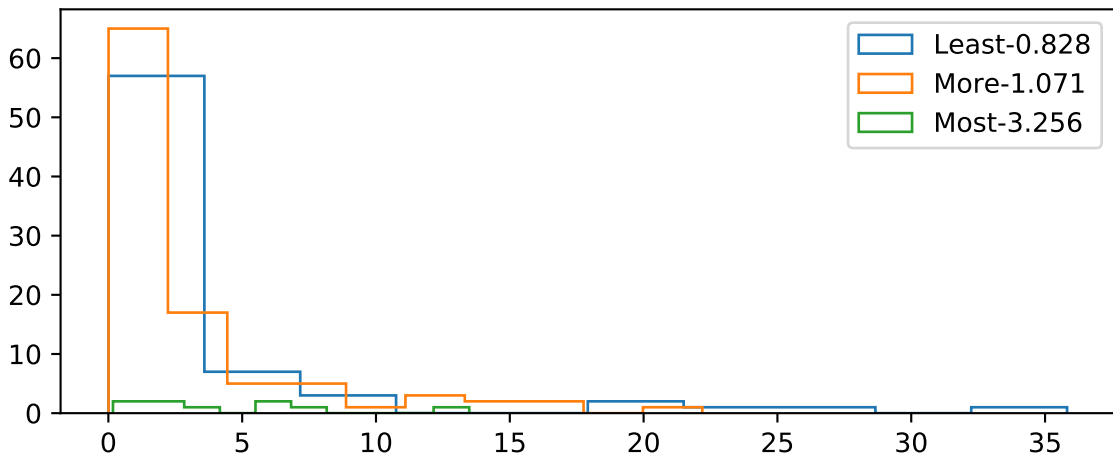
# Respond Preparedness vs Cases Avg. Growth Rate(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	7.909068455935881	0.01916759420012322

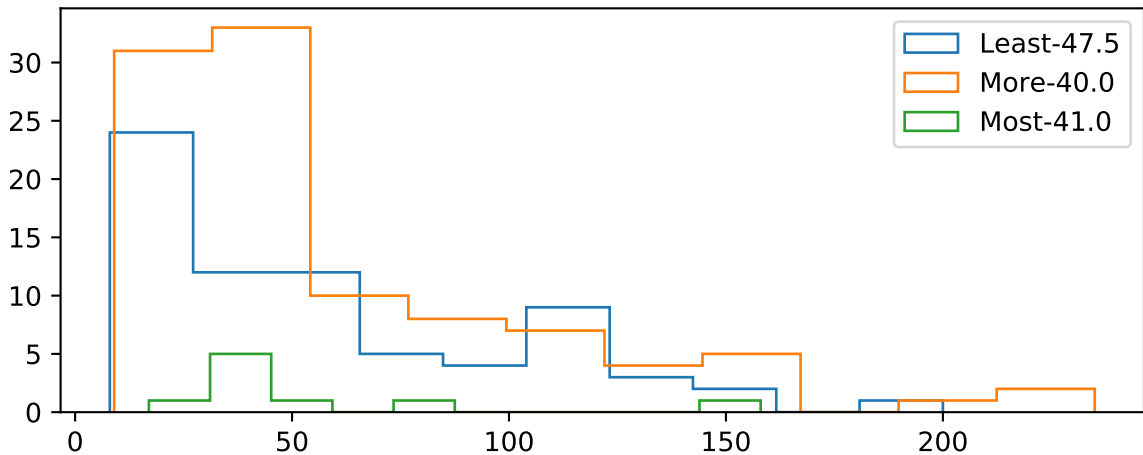
# Respond Preparedness vs Cases Max. Growth Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	5.7560195399831855	0.05624659517276503

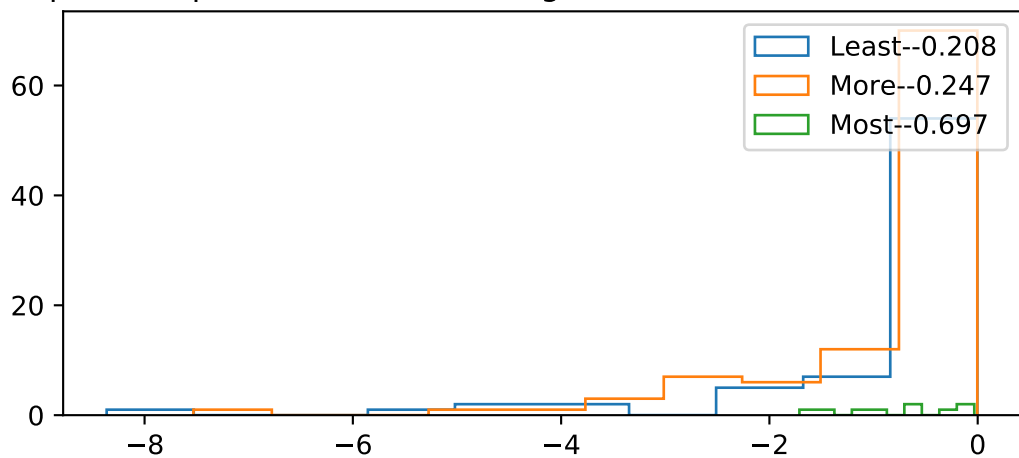
# Respond Preparedness vs Cases Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	0.007677008846856558	0.996168853217553

# Respond Preparedness vs Cases Avg. Submission Rate(First Outbreak)

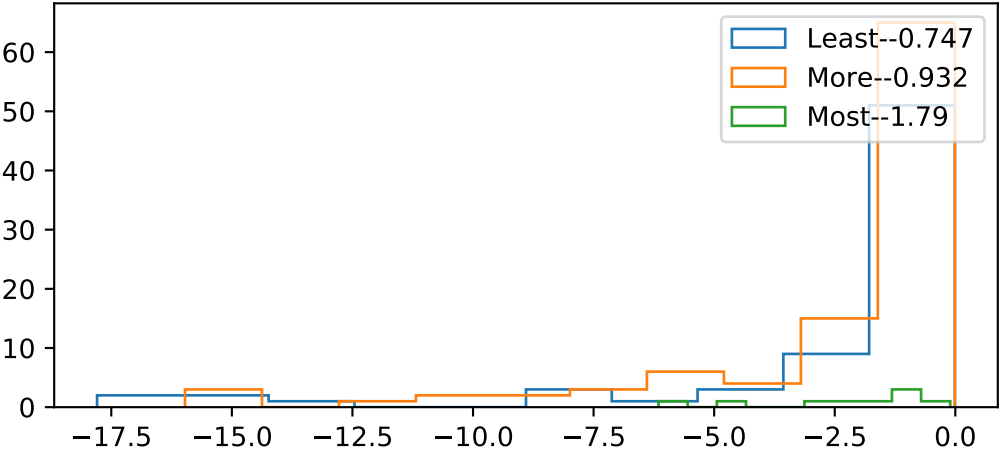


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	2.2329411602662503	0.3274334076071068



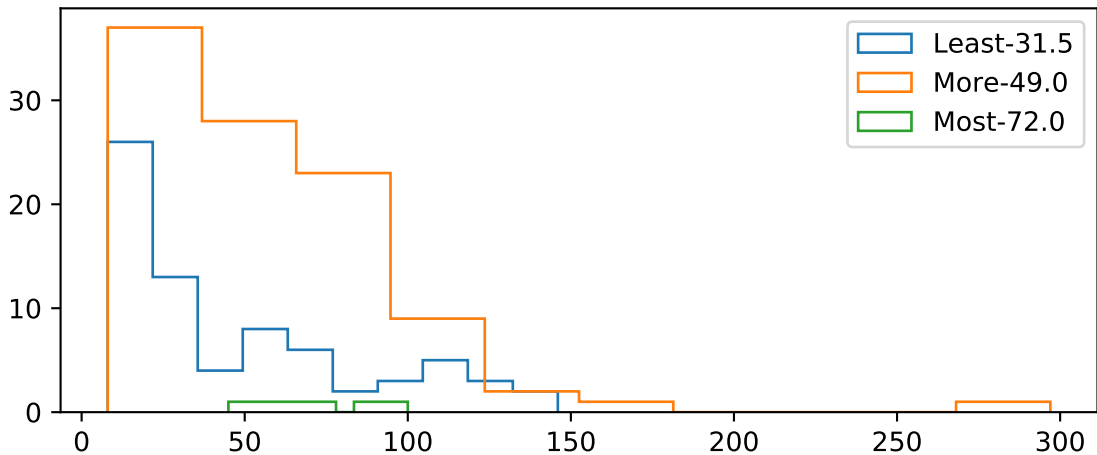
# Respond Preparedness vs Cases Max. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	2.5604049280806294	0.2779810135962108

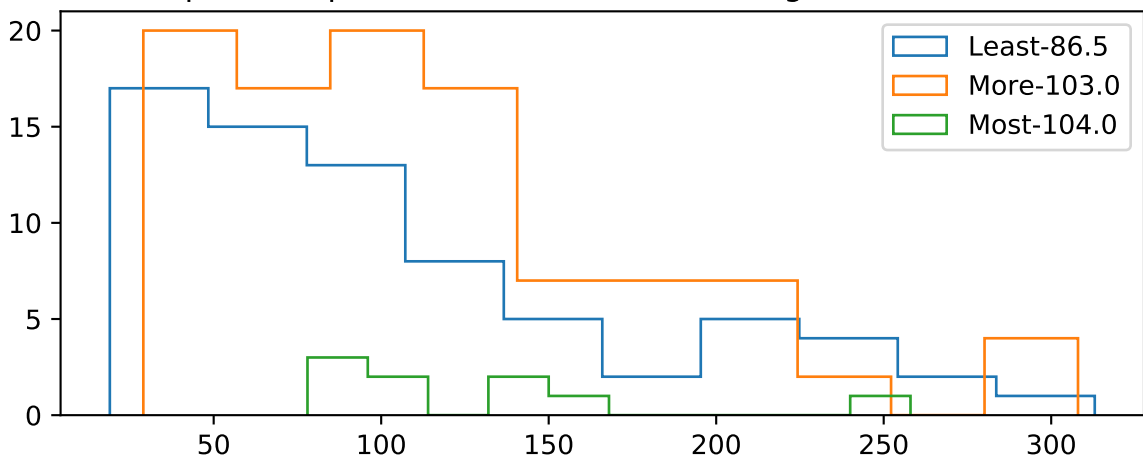
# Respond Preparedness vs Cases Submission Length(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	8.25822289542961	0.016097175652118396

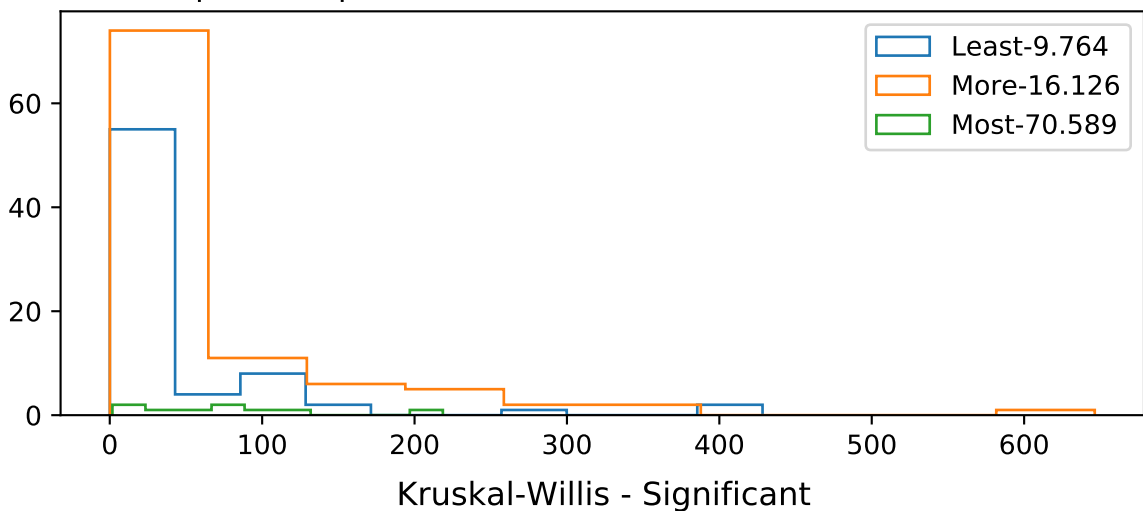
# Respond Preparedness vs Cases Total Length(First Outbreak)



Kruskal-Willis - Not Significant

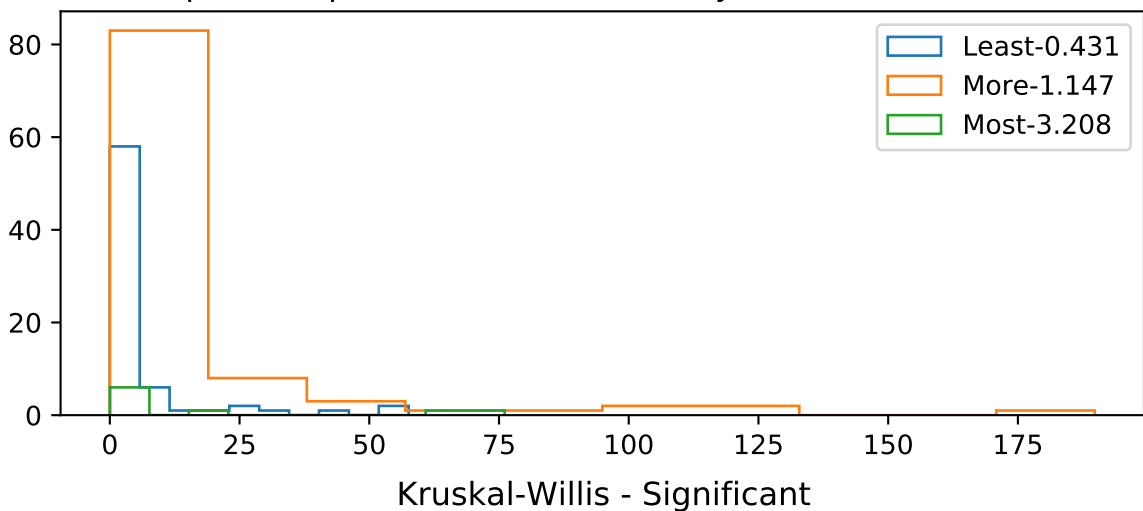
Source	ddof1	H	p-unc
Respond Preparedness	2	3.002064072528782	0.22290000051844827

# Respond Preparedness vs Cases Peak Value(First Outbreak)



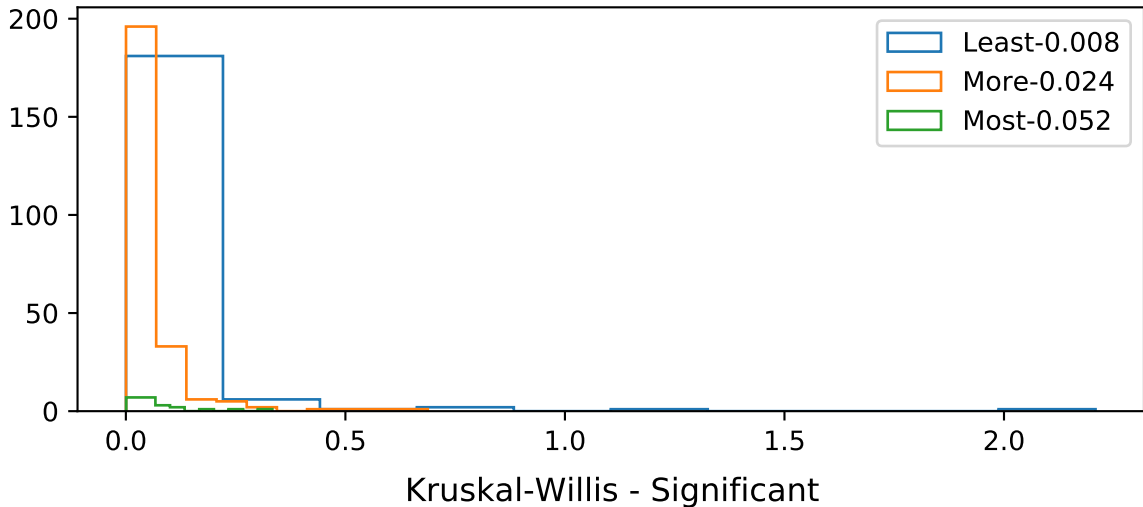
Source	ddof1	H	p-unc
Respond Preparedness	2	6.194447169451223	0.04517445147846182

# Respond Preparedness vs Cases Valley Value(First Outbreak)



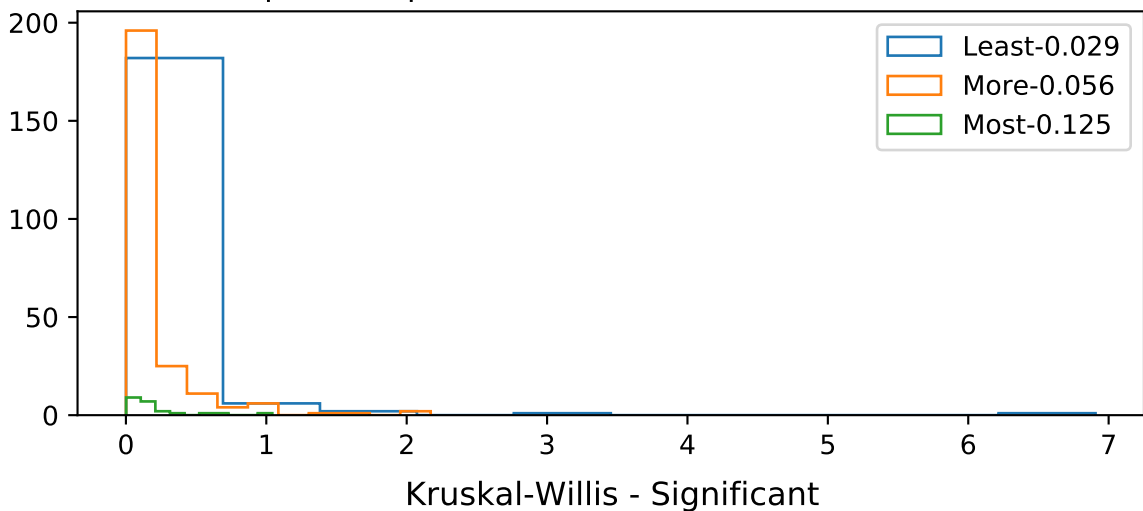
Source	ddof1	H	p-unc
Respond Preparedness	2	6.65120801410992	0.03595079765882546

# Respond Preparedness vs Deaths Avg. Growth Rate



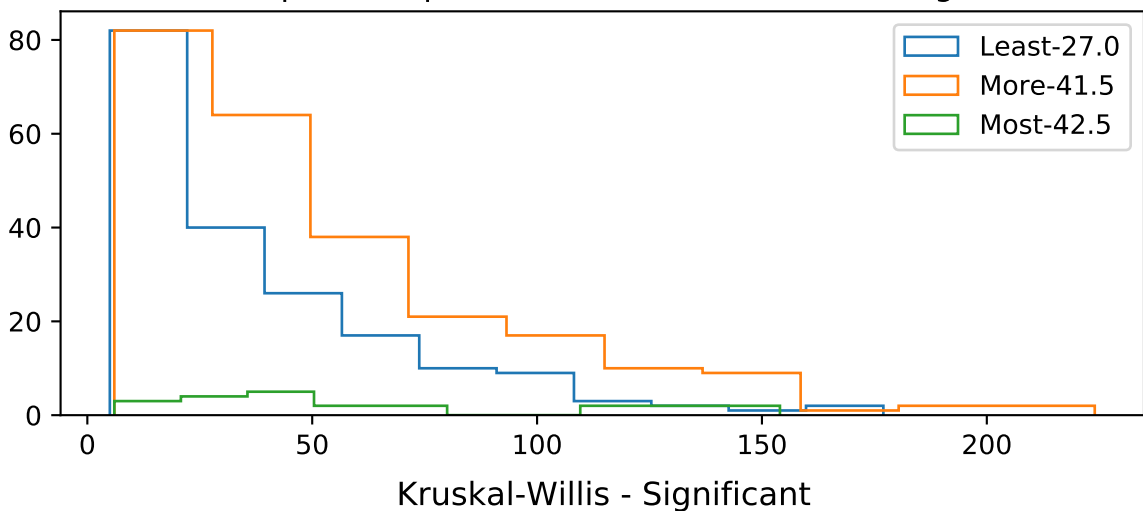
Source	ddof1	H	p-unc
x	2	15.286449134994875	0.0004792804853628681

# Respond Preparedness vs Deaths Max. Growth Rate



Source	ddof1	H	p-unc
x	2	14.158275608761727	0.0008424992344685306

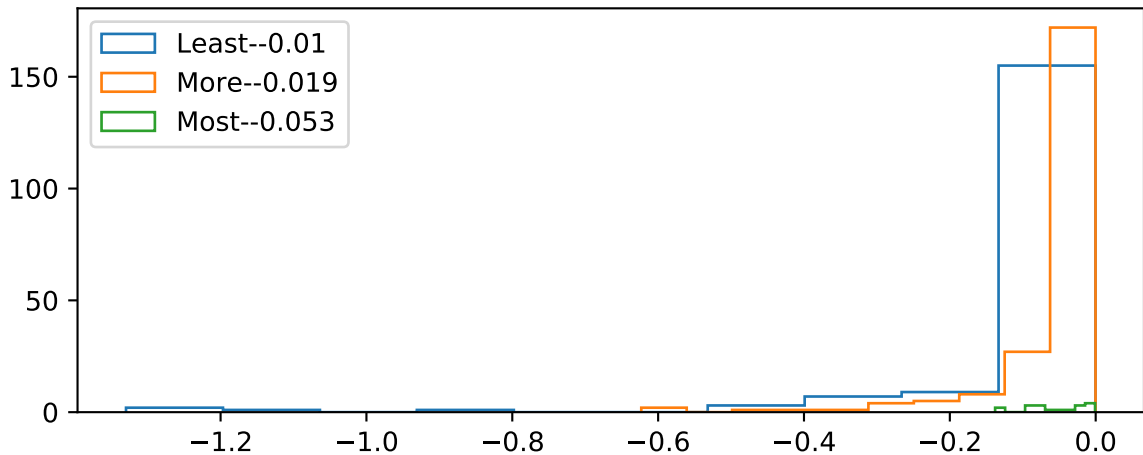
# Respond Preparedness vs Deaths Growth Length



Source	ddof1	H	p-unc
x	2	20.083760332917233	4.353783767004134e-05



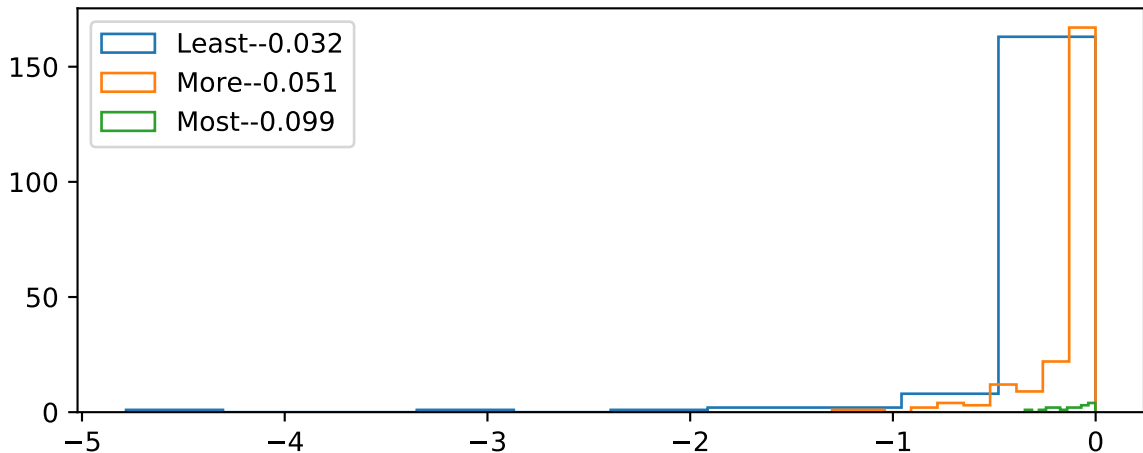
# Respond Preparedness vs Deaths Avg. Submission Rate



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	5.815234757674741	0.05460567964509315

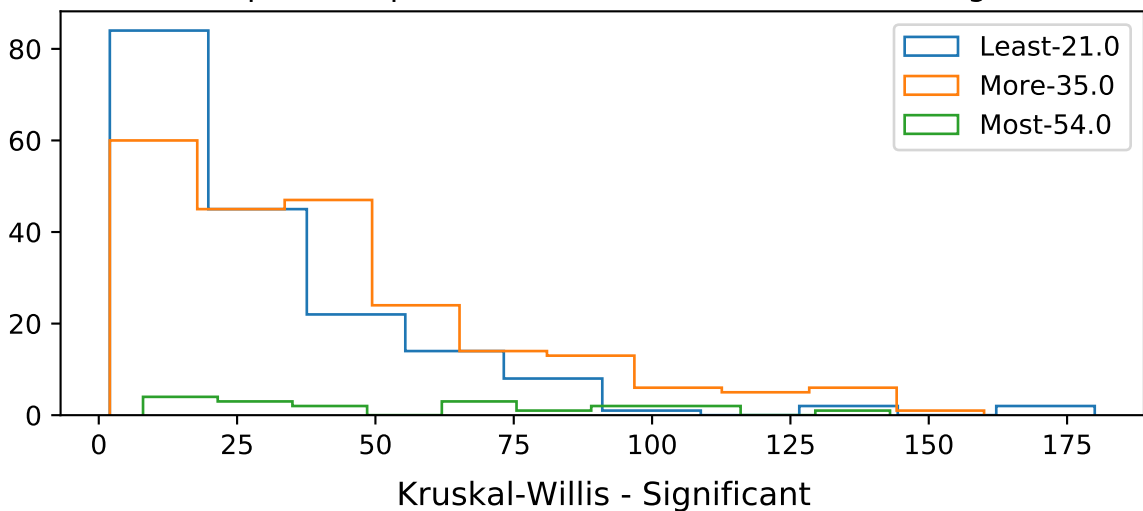
# Respond Preparedness vs Deaths Max. Submission Rate



Kruskal-Willis - Not Significant

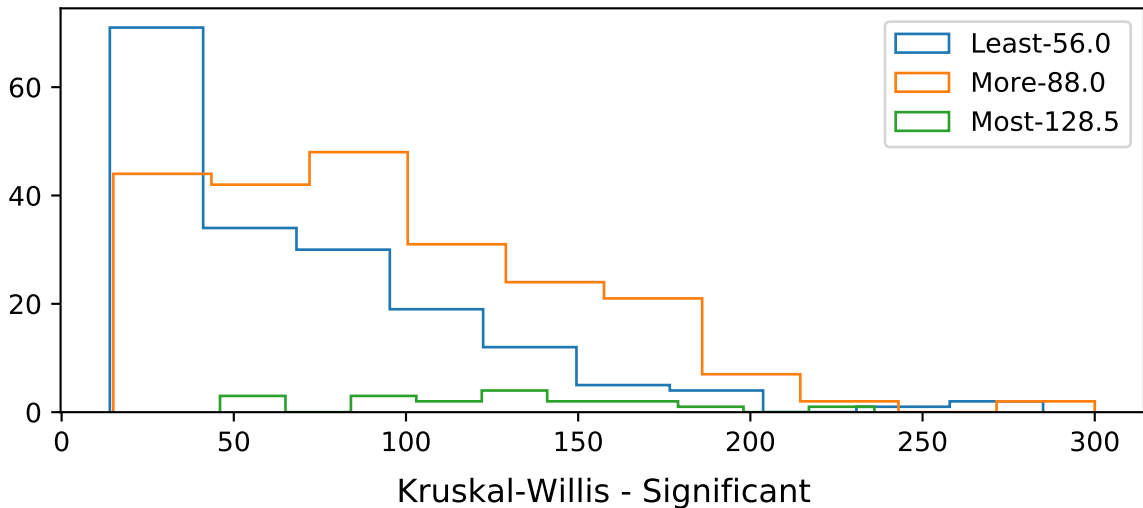
Source	ddof1	H	p-unc
x	2	5.594065847836408	0.06099075864442038

# Respond Preparedness vs Deaths Submission Length



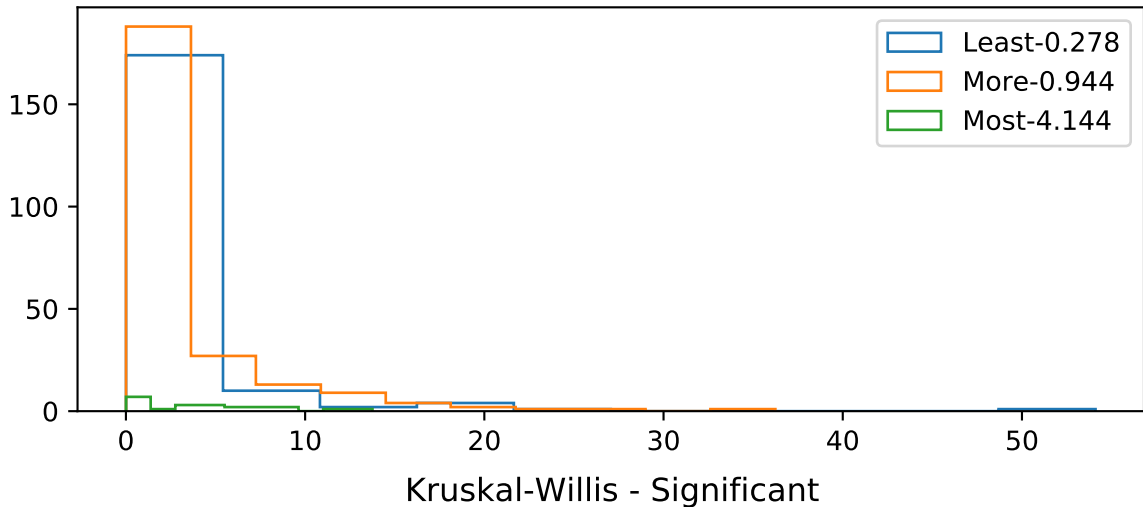
Source	ddof1	H	p-unc
x	2	23.234364576022724	9.009938717185724e-06

# Respond Preparedness vs Deaths Total Length



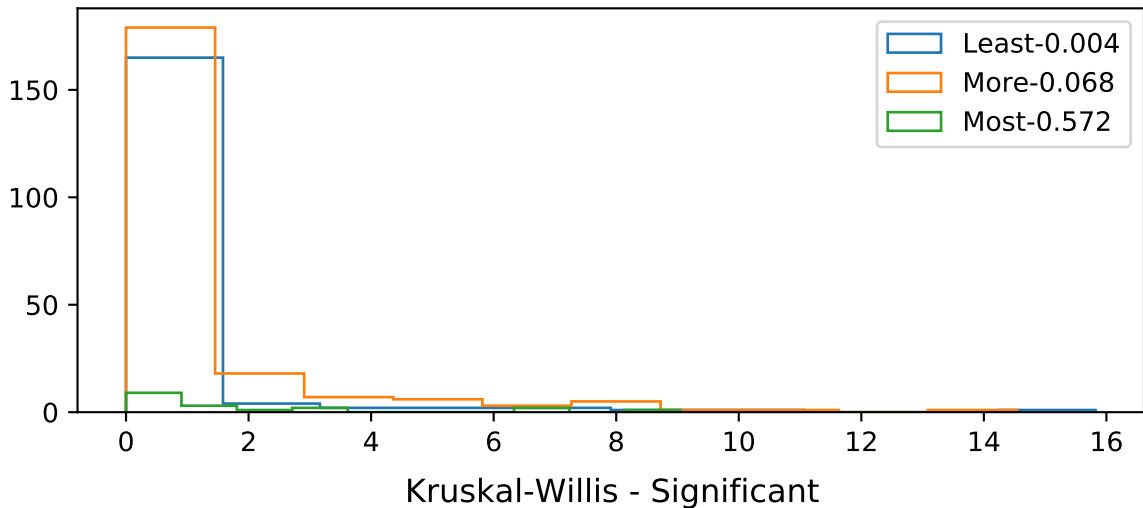
Source	ddof1	H	p-unc
x	2	36.719034045900806	1.0630729473084607e-08

# Respond Preparedness vs Deaths Peak Value



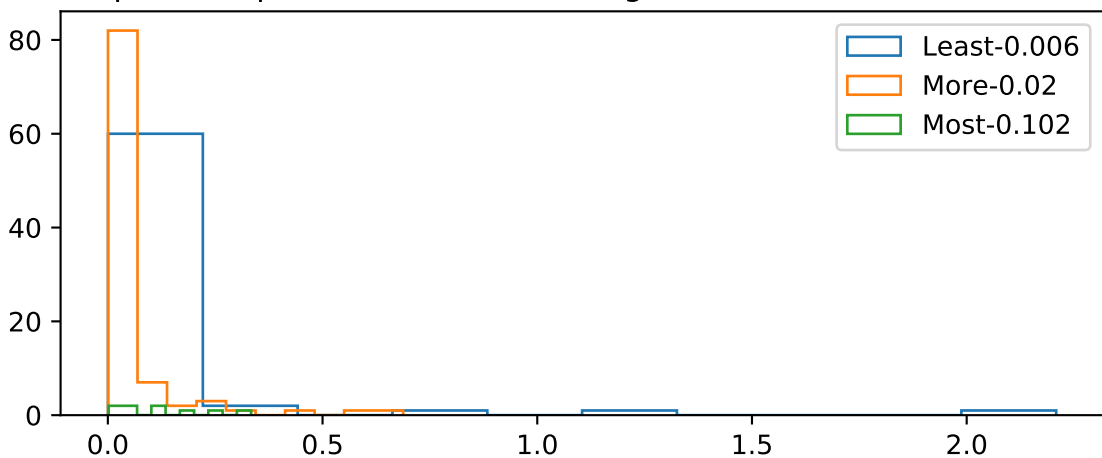
Source	ddof1	H	p-unc
x	2	31.124233121502296	1.7436473373339662e-07

# Respond Preparedness vs Deaths Valley Value



Source	ddof1	H	p-unc
x	2	22.387248146733246	1.3761660272947849e-05

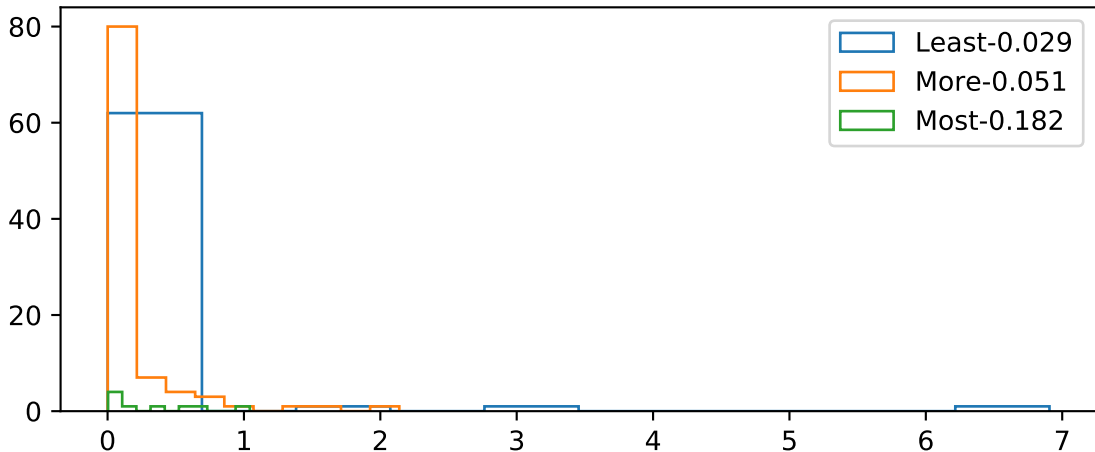
Respond Preparedness vs Deaths Avg. Growth Rate(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	12.053679235454865	0.0024131082848678985

# Respond Preparedness vs Deaths Max. Growth Rate(First Outbreak)

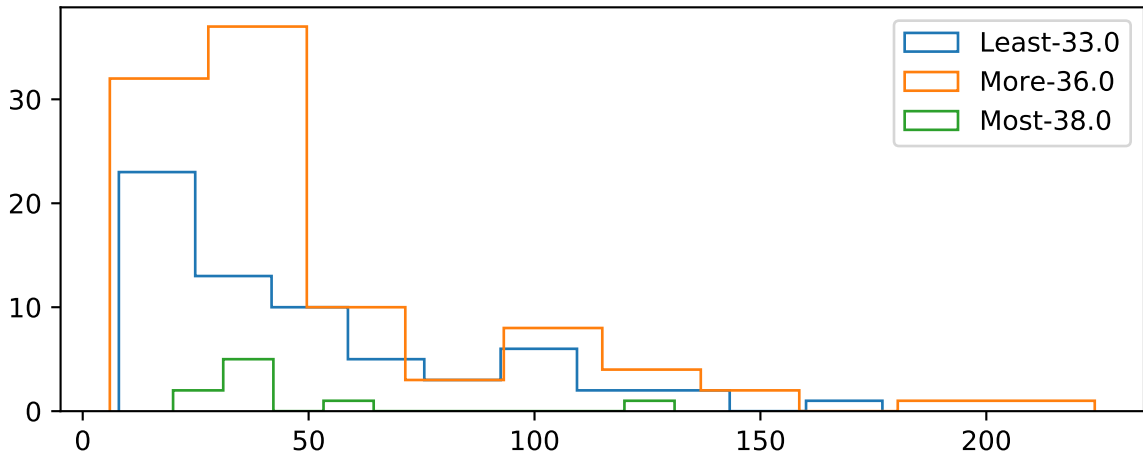


Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	9.027496760851818	0.010957310932657638



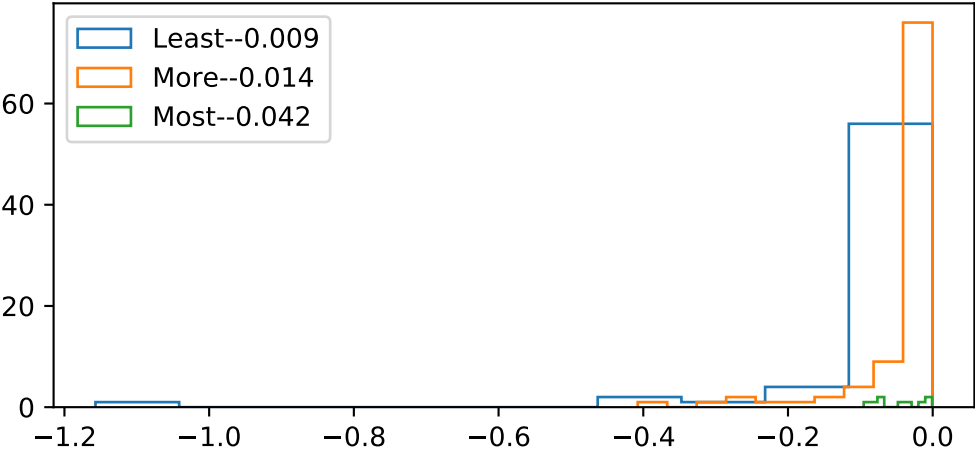
# Respond Preparedness vs Deaths Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	0.7025227390442166	0.7037997780021914

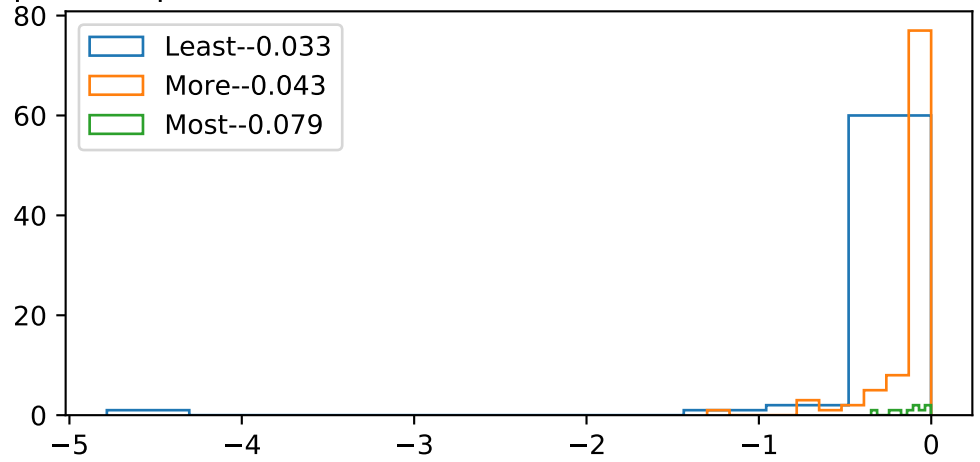
# Respond Prepardness vs Deaths Avg. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Respond Prepardness	2	2.5324063434983373	0.2818999179989389

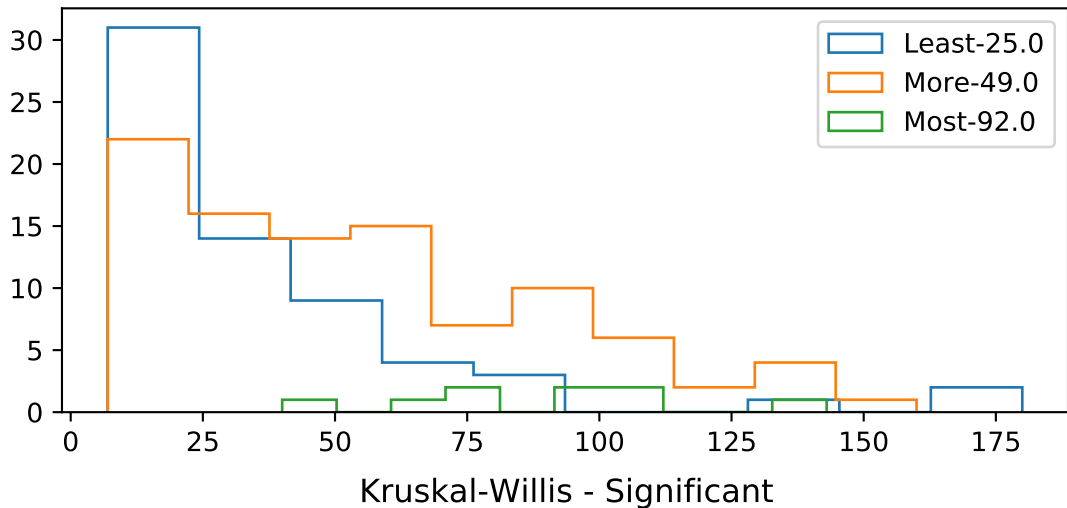
Respond Preparedness vs Deaths Max. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Respond Preparedness	2	3.0117160320448875	0.22182688113683532

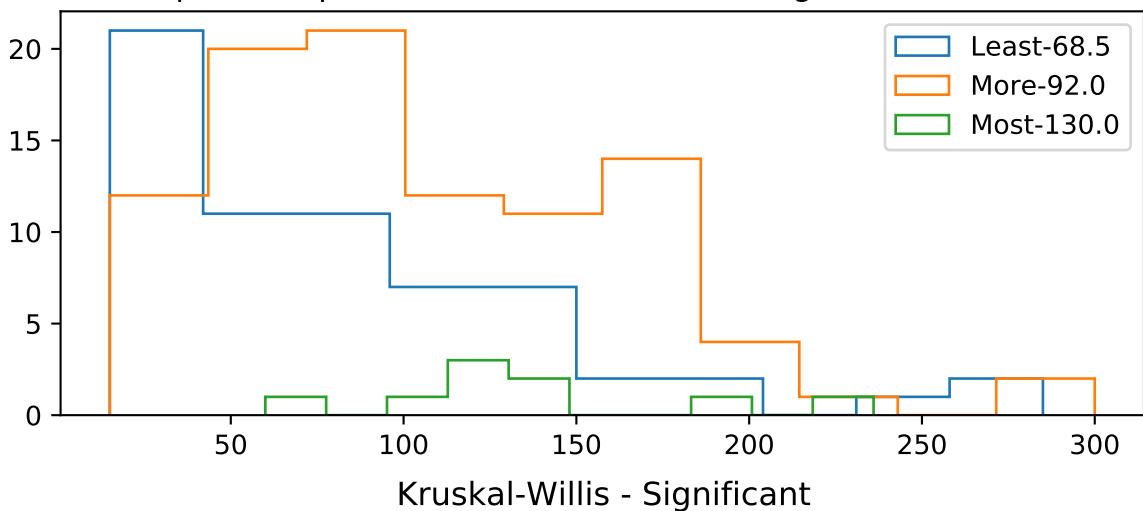
# Respond Preparedness vs Deaths Submission Length(First Outbreak)



Kruskal-Willis - Significant

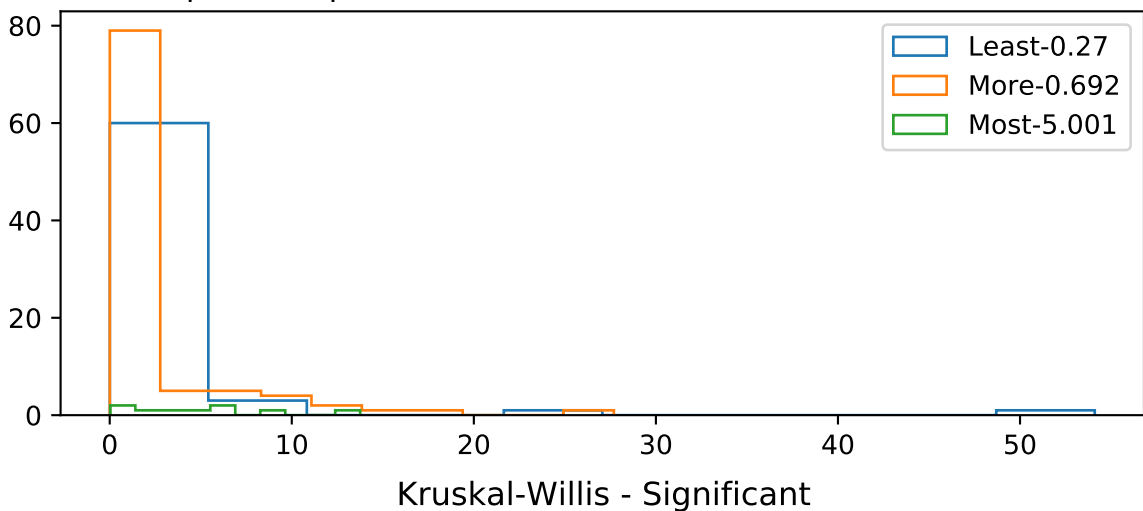
Source	ddof1	H	p-unc
Respond Preparedness	2	26.458624806149754	1.797142951802717e-06

# Respond Preparedness vs Deaths Total Length(First Outbreak)



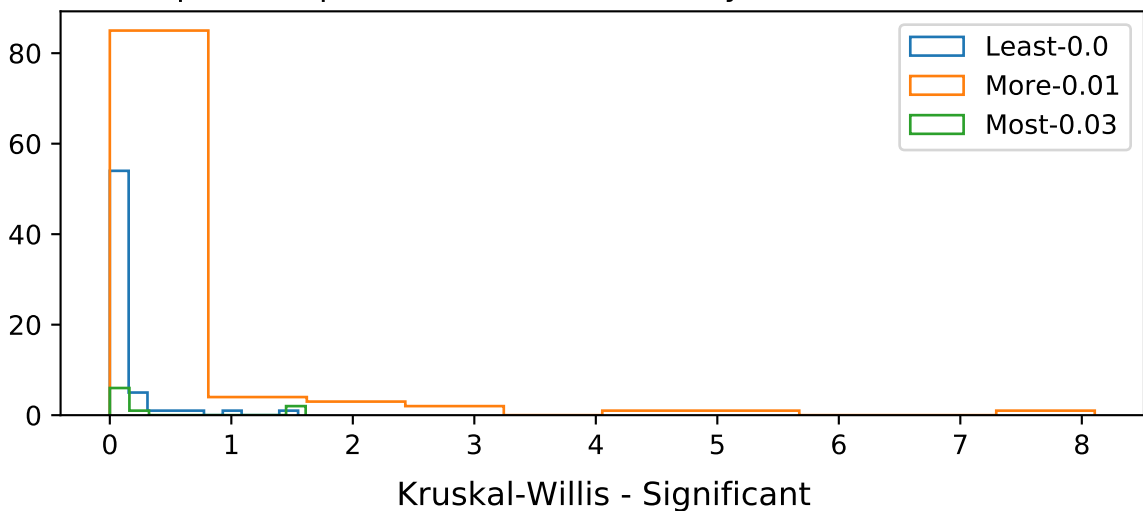
Source	ddof1	H	p-unc
Respond Preparedness	2	11.529413848832226	0.0031363144062758557

# Respond Preparedness vs Deaths Peak Value(First Outbreak)



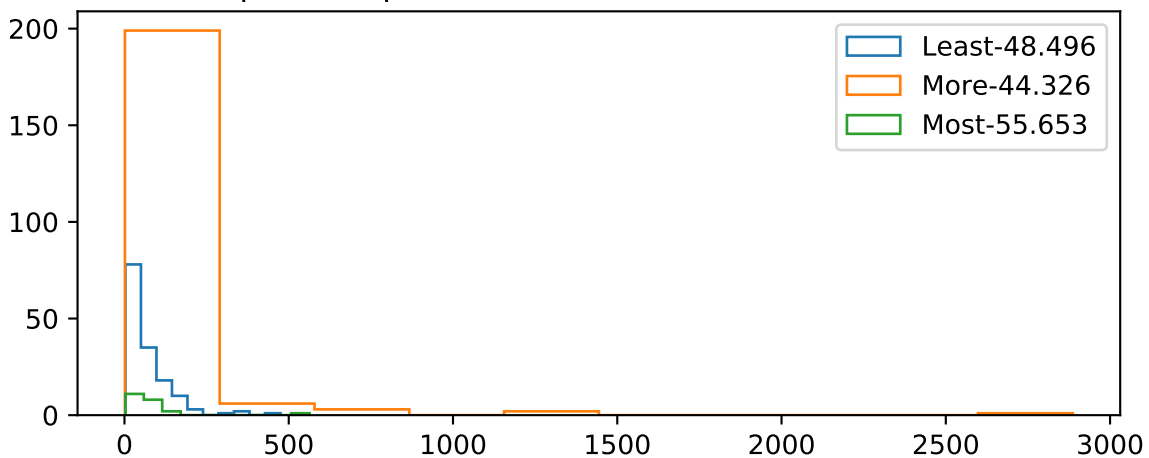
Source	ddof1	H	p-unc
Respond Preparedness	2	11.429709883891519	0.0032966286895157416

# Respond Preparedness vs Deaths Valley Value(First Outbreak)



Source	ddof1	H	p-unc
Respond Preparedness	2	8.418051234685604	0.01486084143193857

# Respond Preparedness vs Case-Death Pair Peak Ratio

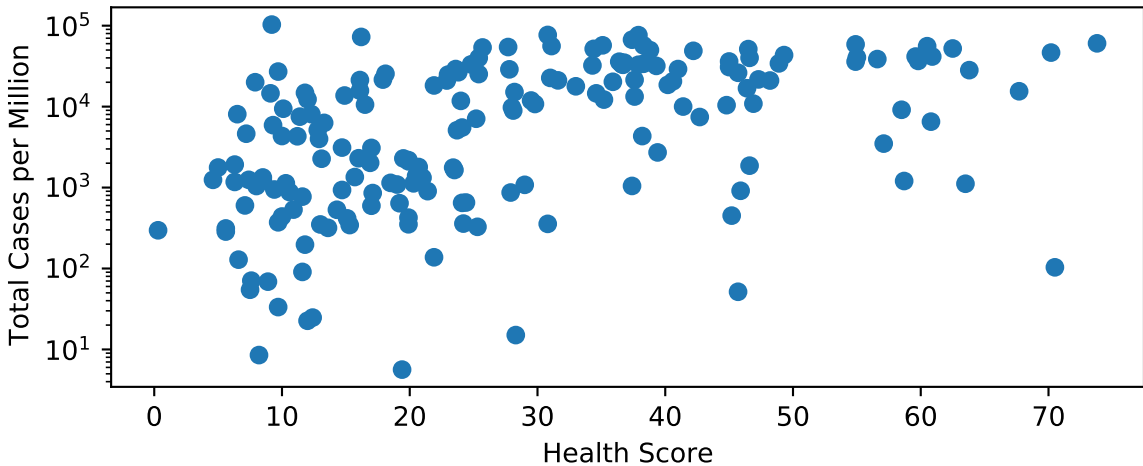


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	0.010410202854700401	0.9948084216399317



# Health Score vs Total Cases per Million



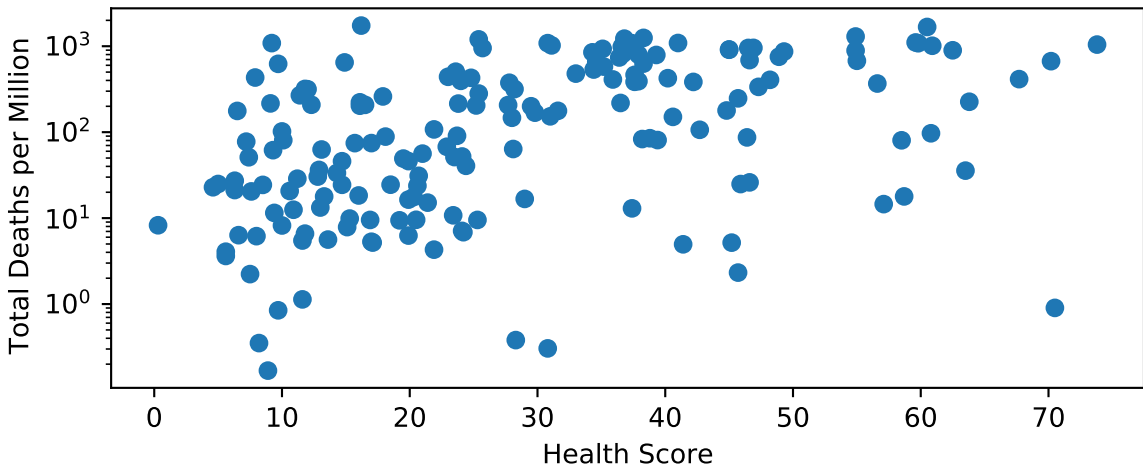
## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Total Cases per Million	0.809	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.539	Relatively Strong
P-Value	0.0	Significant

# Health Score vs Total Deaths per Million



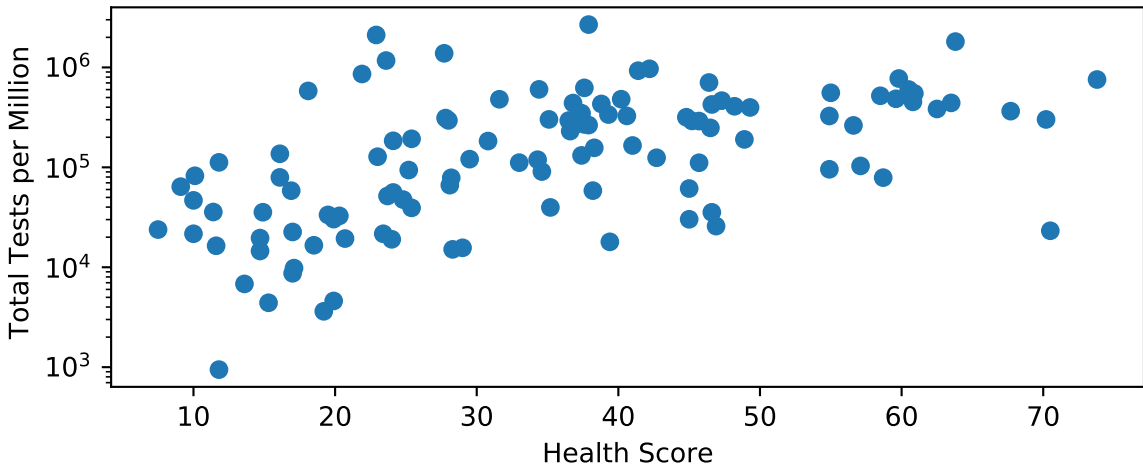
## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Total Deaths per Million	0.754	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.516	Relatively Strong
P-Value	0.0	Significant

Health Score vs Total Tests per Million



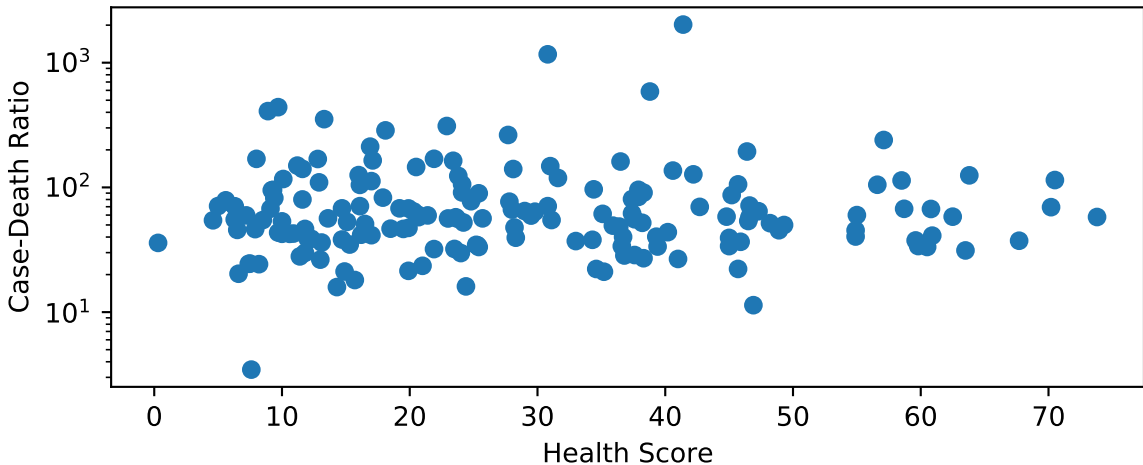
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Total Tests per Million	0.661	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.562	Relatively Strong
P-Value	0.0	Significant

# Health Score vs Case-Death Ratio



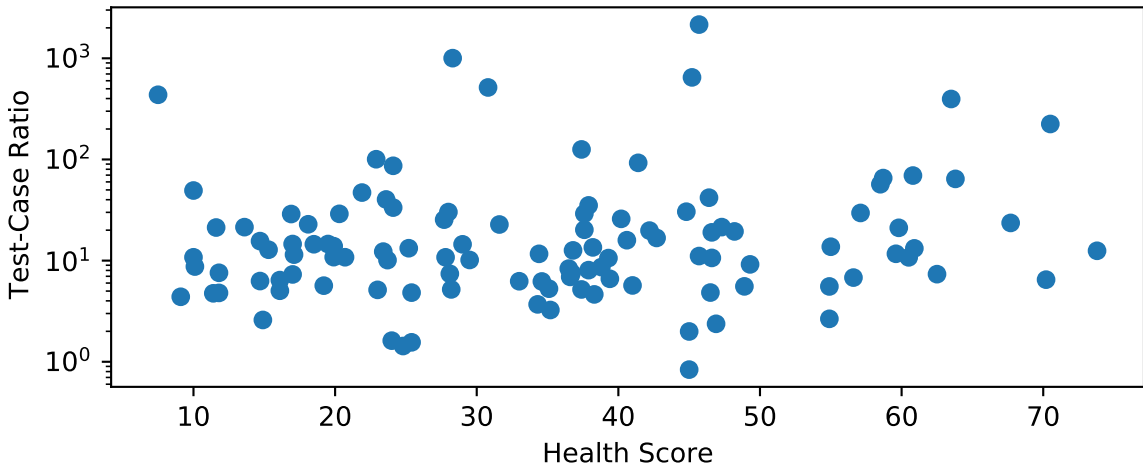
## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Case-Death Ratio	0.339	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.007	Negligible
P-Value	0.925	Not Significant

Health Score vs Test-Case Ratio



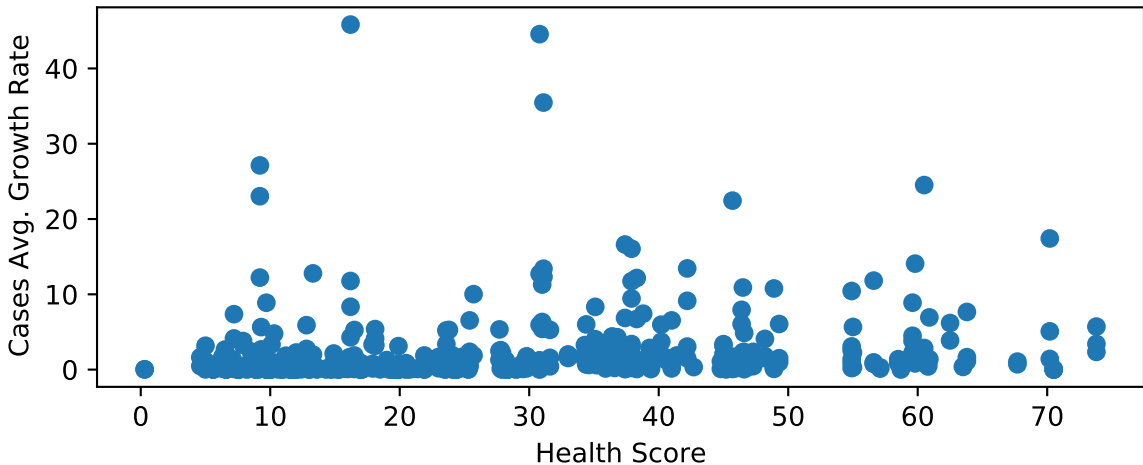
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Test-Case Ratio	0.281	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.126	Weak
P-Value	0.185	Not Significant

# Health Score vs Cases Avg. Growth Rate



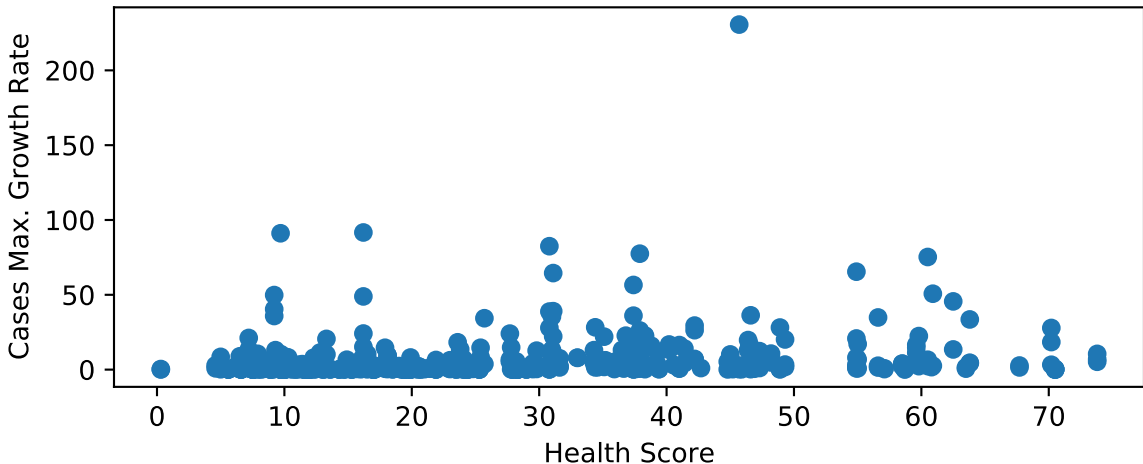
## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Avg. Growth Rate	0.221	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.356	Moderate
P-Value	0.0	Significant

Health Score vs Cases Max. Growth Rate



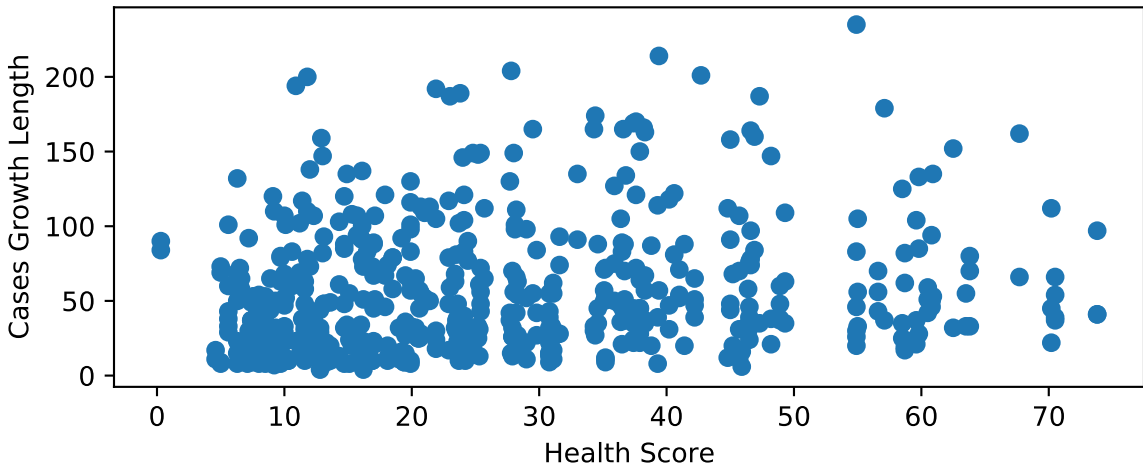
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Max. Growth Rate	0.318	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.336	Moderate
P-Value	0.0	Significant

Health Score vs Cases Growth Length



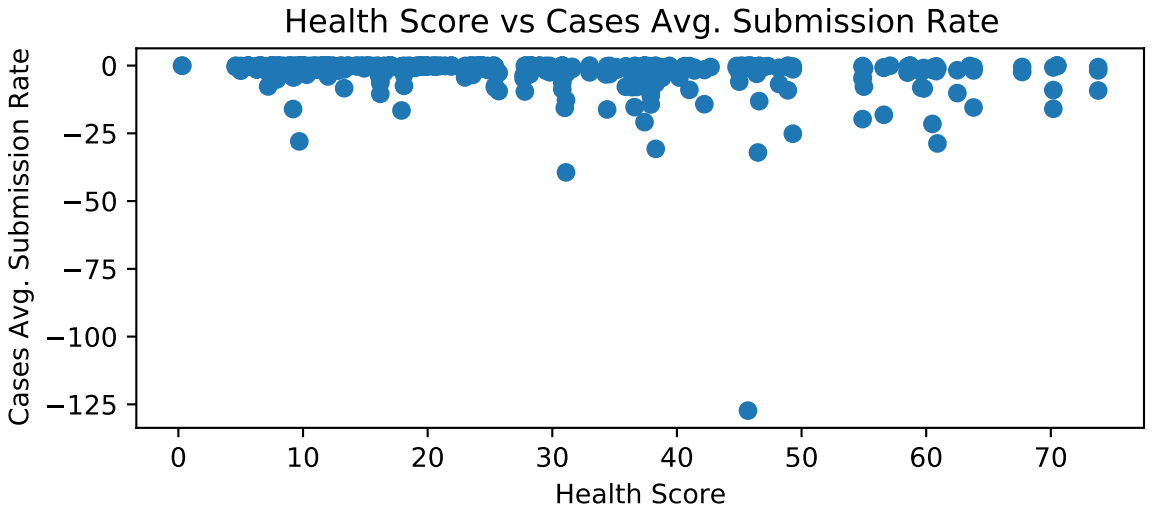
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Growth Length	0.864	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.232	Moderate
P-Value	0.0	Significant



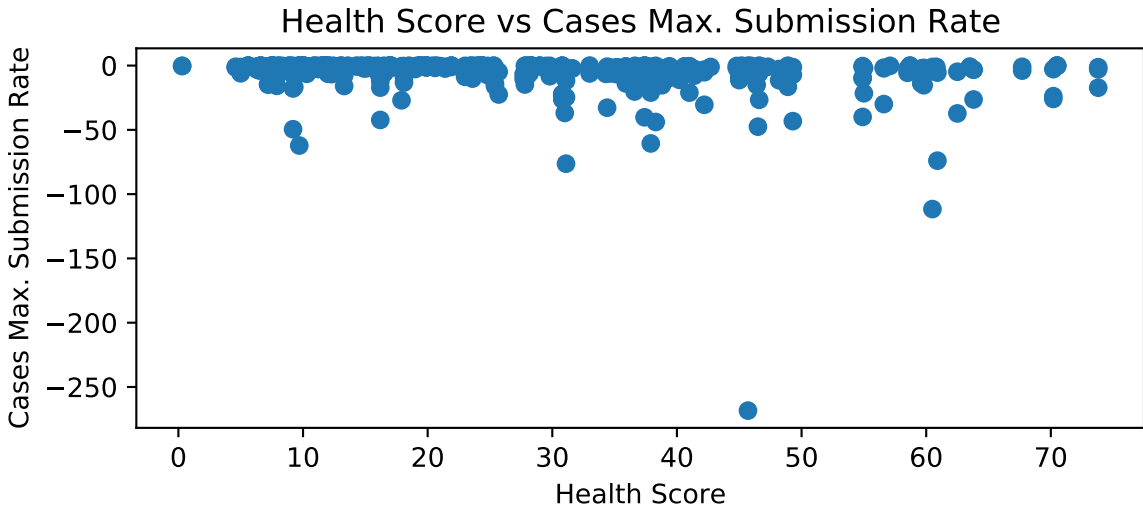


Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Avg. Submission Rate	0.23	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.321	Moderate
P-Value	0.0	Significant



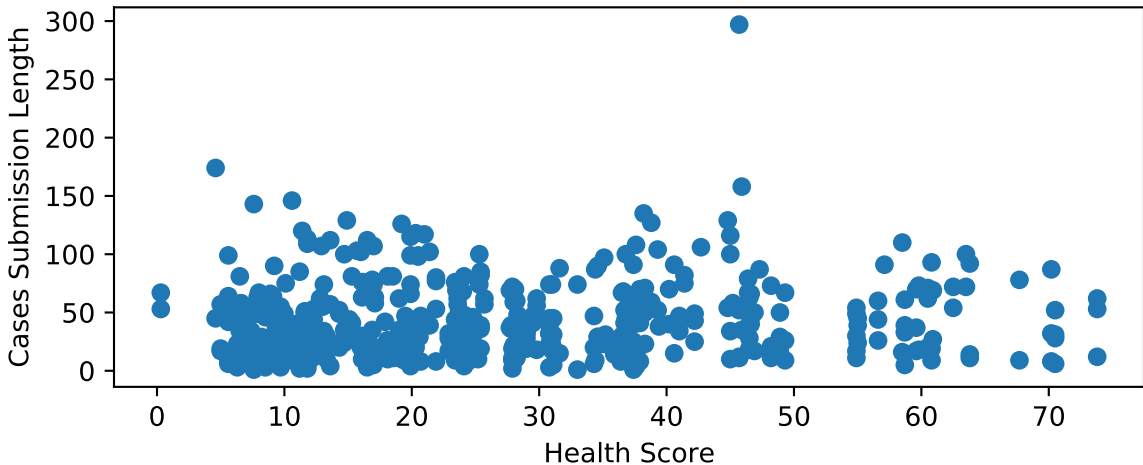
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Max. Submission Rate	0.274	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.292	Moderate
P-Value	0.0	Significant

# Health Score vs Cases Submission Length



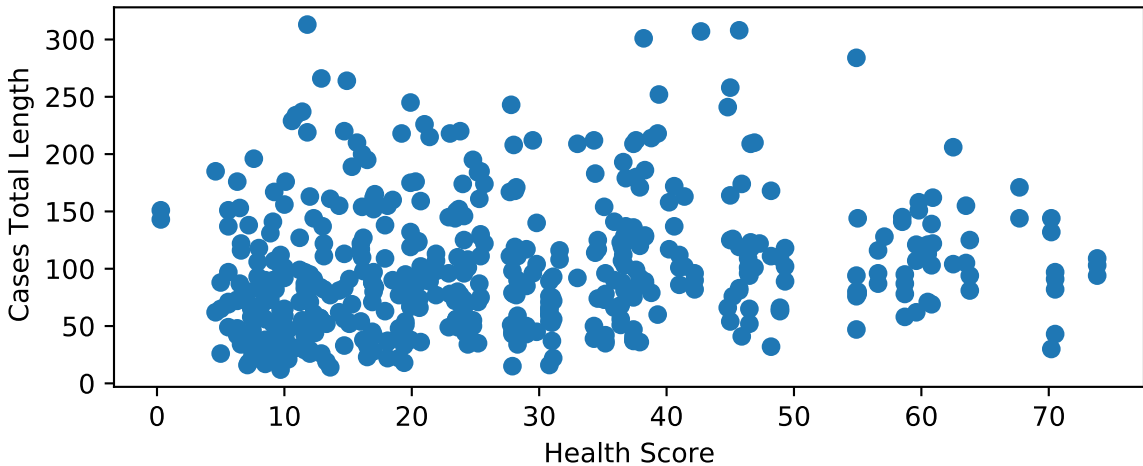
## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Submission Length	0.855	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.11	Weak
P-Value	0.015	Significant

Health Score vs Cases Total Length



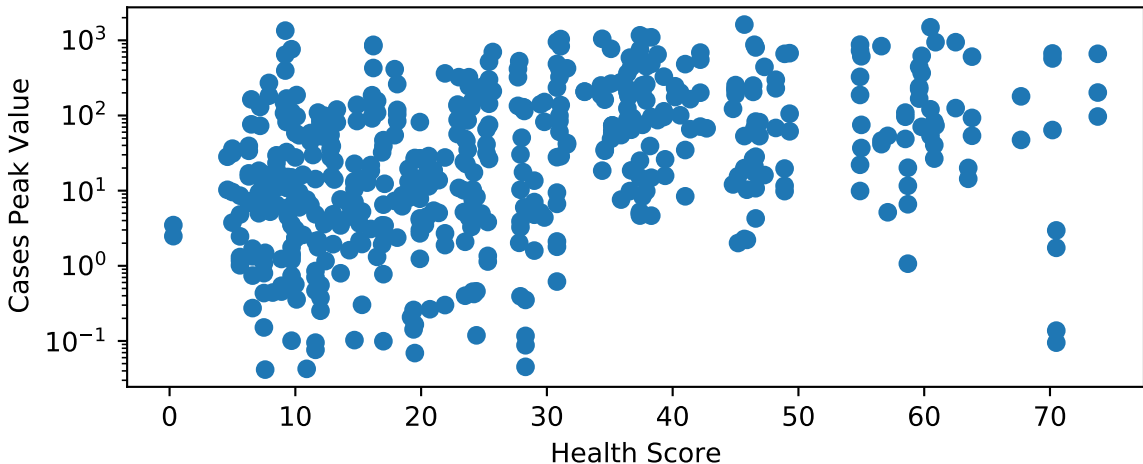
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Total Length	0.918	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.269	Moderate
P-Value	0.0	Significant

# Health Score vs Cases Peak Value



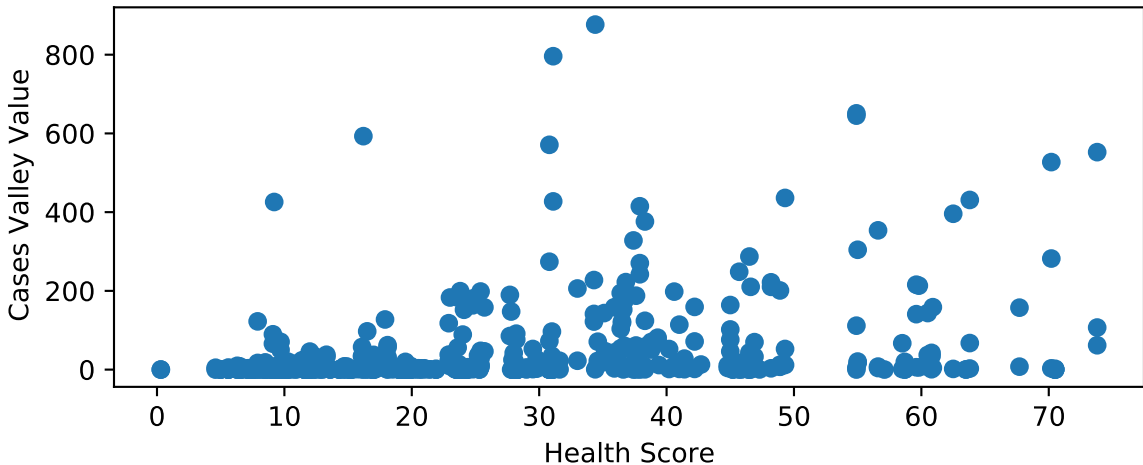
## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Peak Value	0.554	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.425	Relatively Strong
P-Value	0.0	Significant

# Health Score vs Cases Valley Value



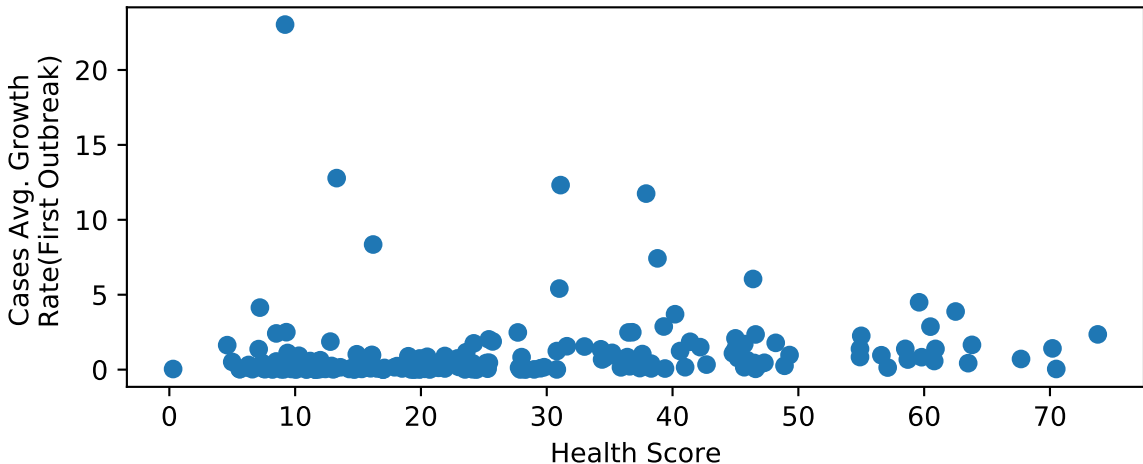
## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Valley Value	0.478	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.443	Relatively Strong
P-Value	0.0	Significant

Health Score vs Cases Avg. Growth Rate(First Outbreak)



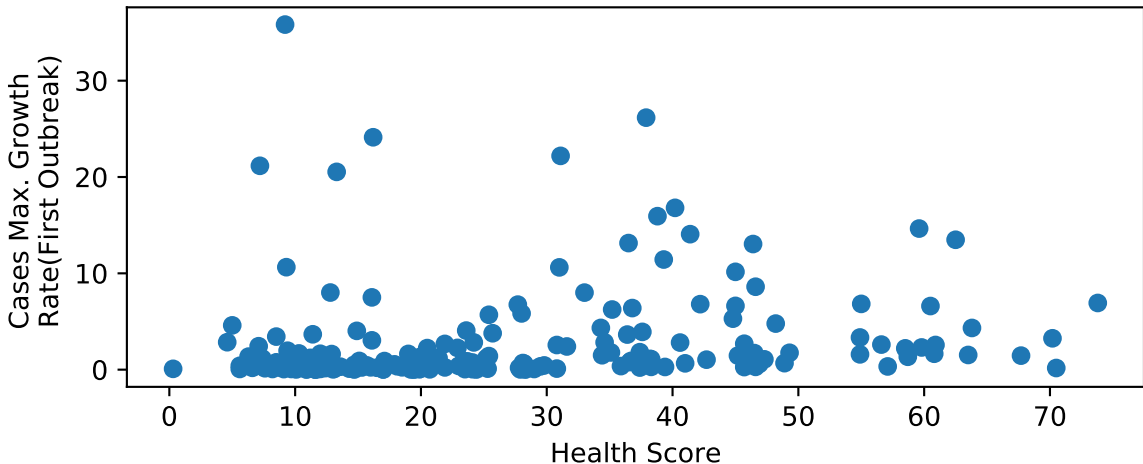
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Avg. Growth Rate(First Outbreak)	0.28	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.396	Moderate
P-Value	0.0	Significant

Health Score vs Cases Max. Growth Rate(First Outbreak)



Shapiro-Wilk Test

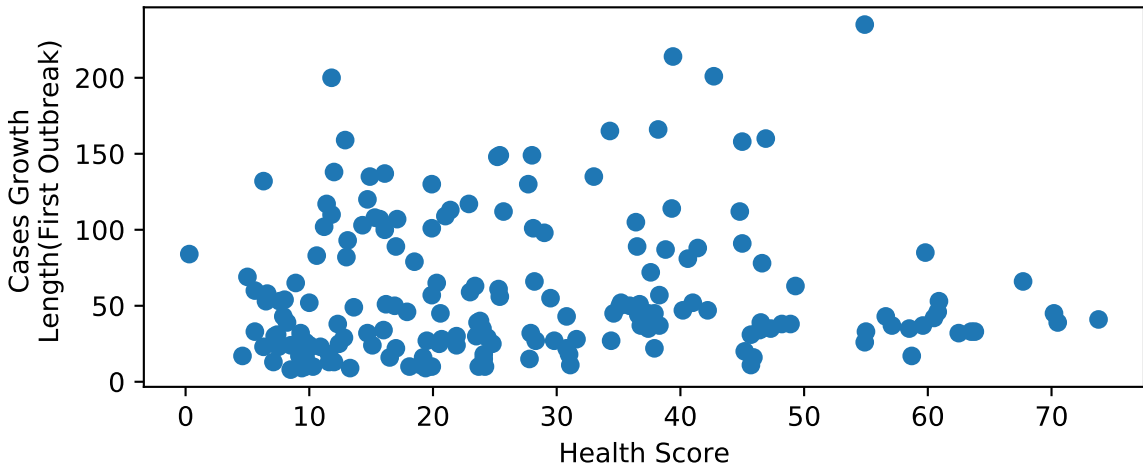
Metric	Score	P-Value
Health Score	0.924	0.0
Cases Max. Growth Rate(First Outbreak)	0.366	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.362	Moderate
P-Value	0.0	Significant



Health Score vs Cases Growth Length(First Outbreak)



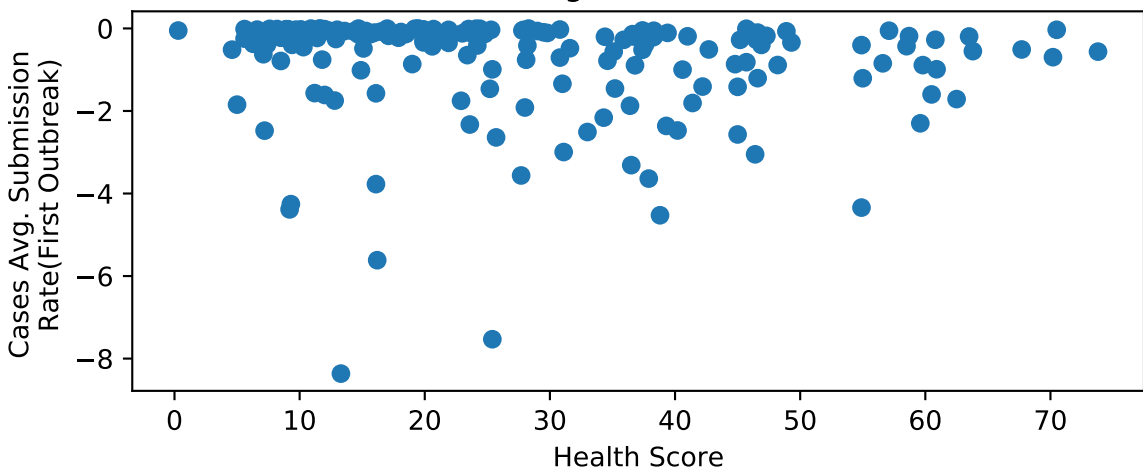
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Growth Length(First Outbreak)	0.836	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.127	Weak
P-Value	0.087	Not Significant

Health Score vs Cases Avg. Submission Rate(First Outbreak)



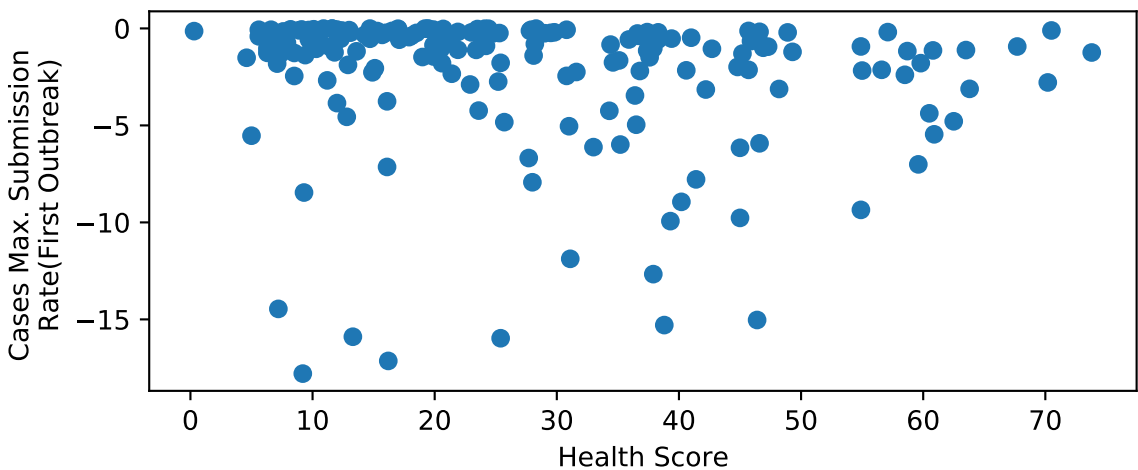
Shapiro-Wilk Test

Output	Results	Outcome
Health Score	0.000	NA
Cases Avg. Submission Rate(First Outbreak)	0.000	NA

Spearman Correlation Test

Output	Results	Outcome
Score	-0.296	Moderate
P-Value	0.0	Significant

Health Score vs Cases Max. Submission Rate(First Outbreak)



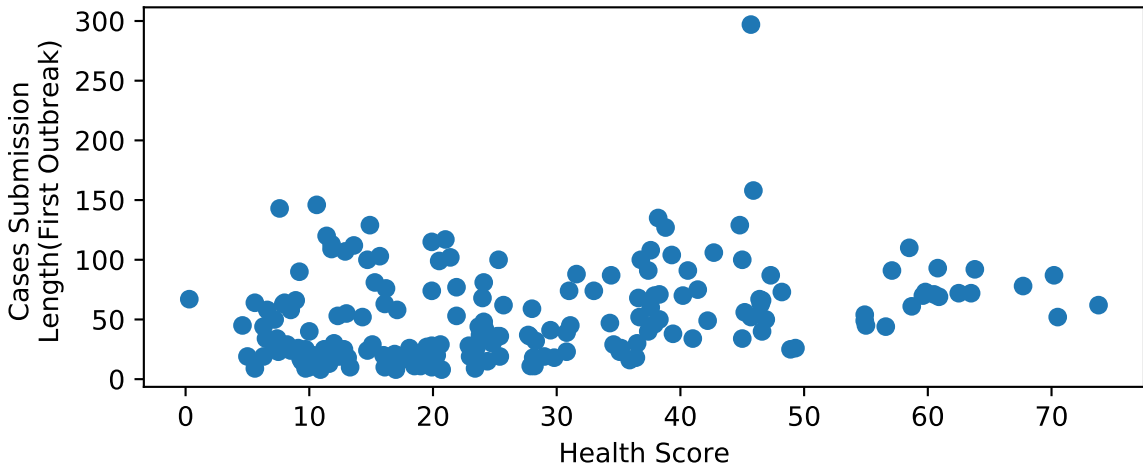
Shapiro-Wilk Test

Stats	Stats	P-Value
Health Score	0.000	0.0
Cases Max. Submission Rate(First Outbreak)	0.000	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.295	Moderate
P-Value	0.0	Significant

Health Score vs Cases Submission Length(First Outbreak)

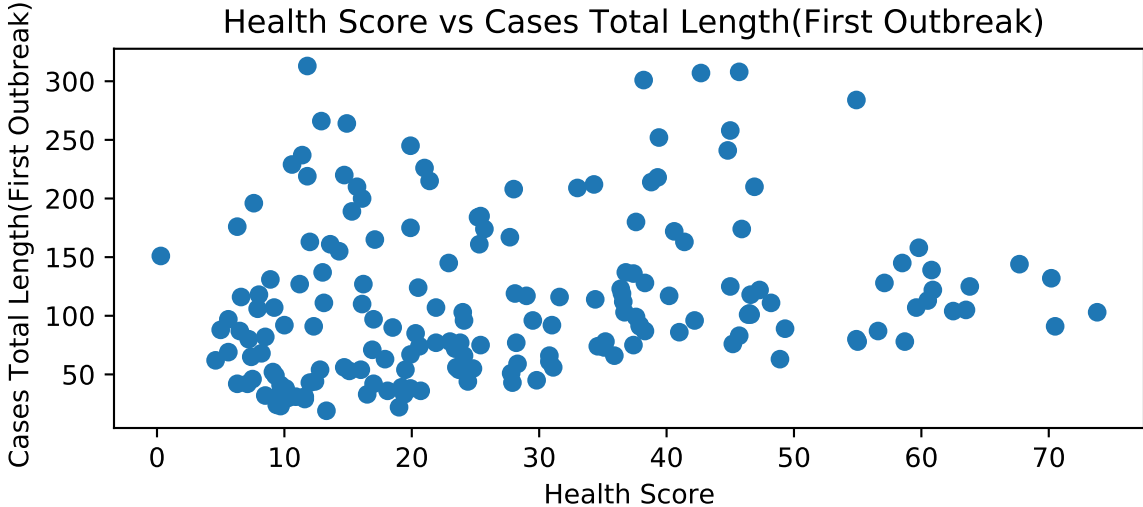


Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Submission Length(First Outbreak)	0.852	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.337	Moderate
P-Value	0.0	Significant

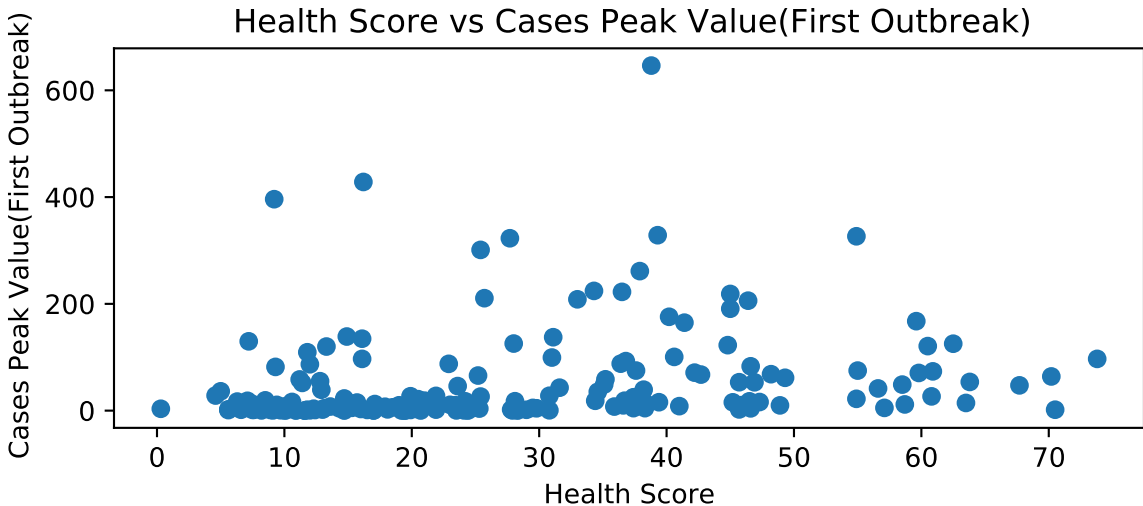


Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Total Length(First Outbreak)	0.903	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.294	Moderate
P-Value	0.0	Significant

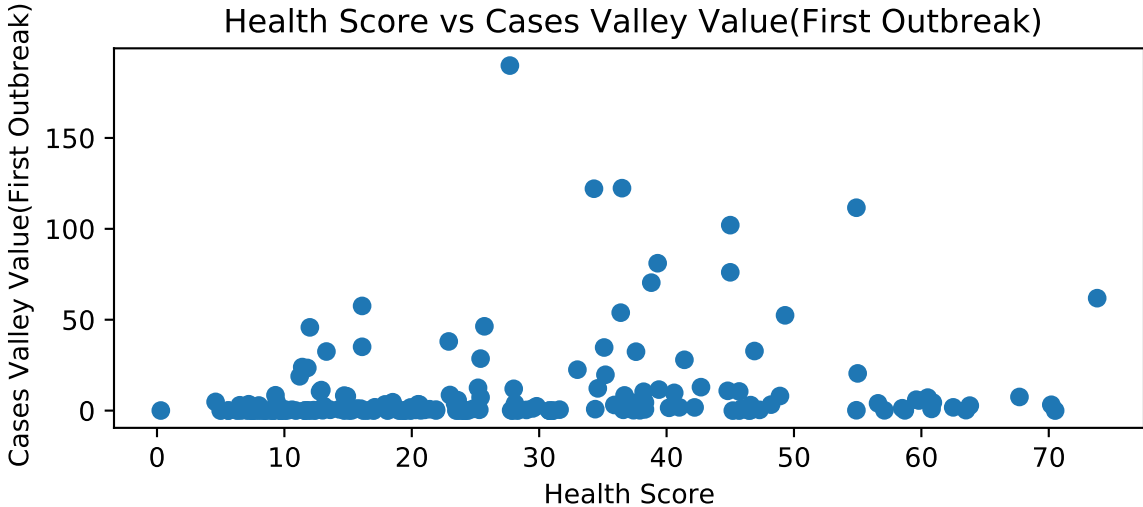


### Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Peak Value(First Outbreak)	0.592	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	0.407	Relatively Strong
P-Value	0.0	Significant



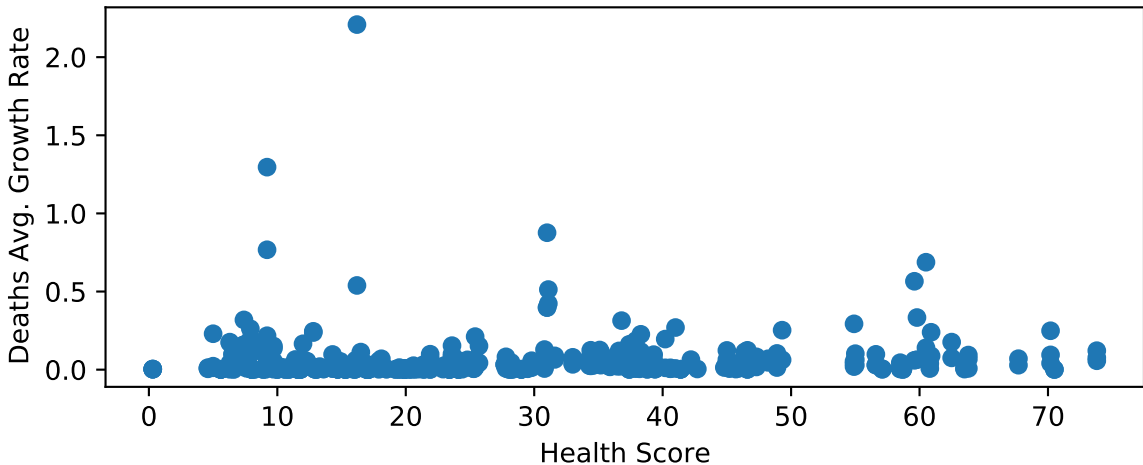
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Cases Valley Value(First Outbreak)	0.445	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.389	Moderate
P-Value	0.0	Significant

# Health Score vs Deaths Avg. Growth Rate



## Shapiro-Wilk Test

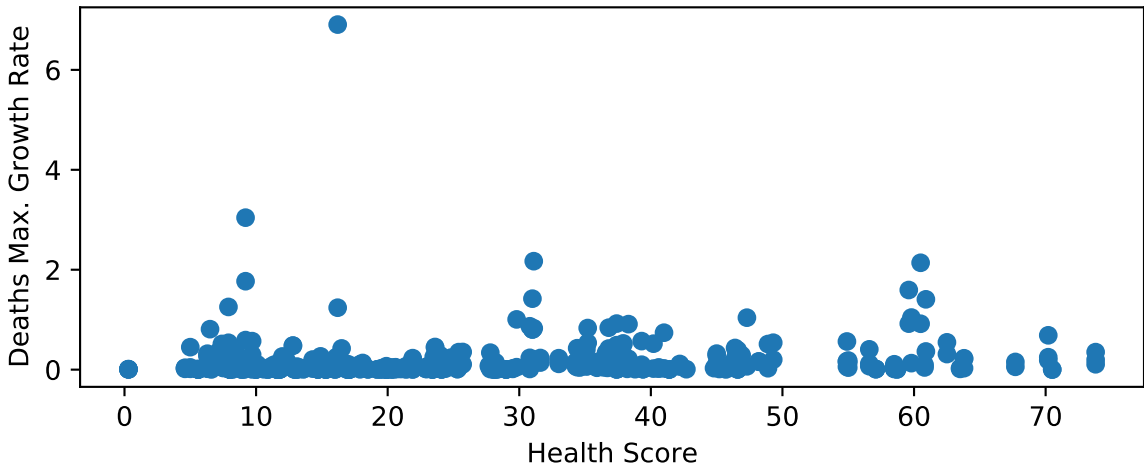
Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Avg. Growth Rate	0.339	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.232	Moderate
P-Value	0.0	Significant



Health Score vs Deaths Max. Growth Rate



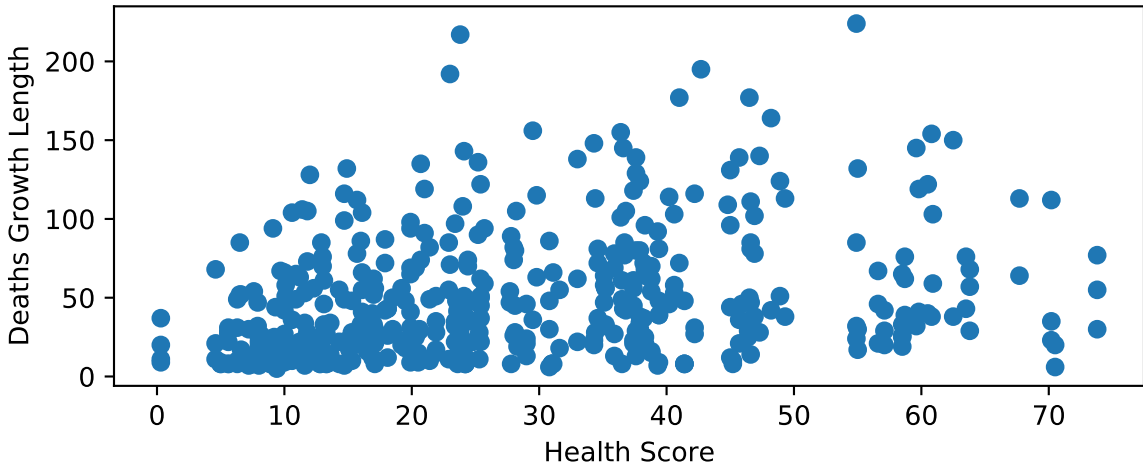
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Max. Growth Rate	0.385	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.247	Moderate
P-Value	0.0	Significant

# Health Score vs Deaths Growth Length

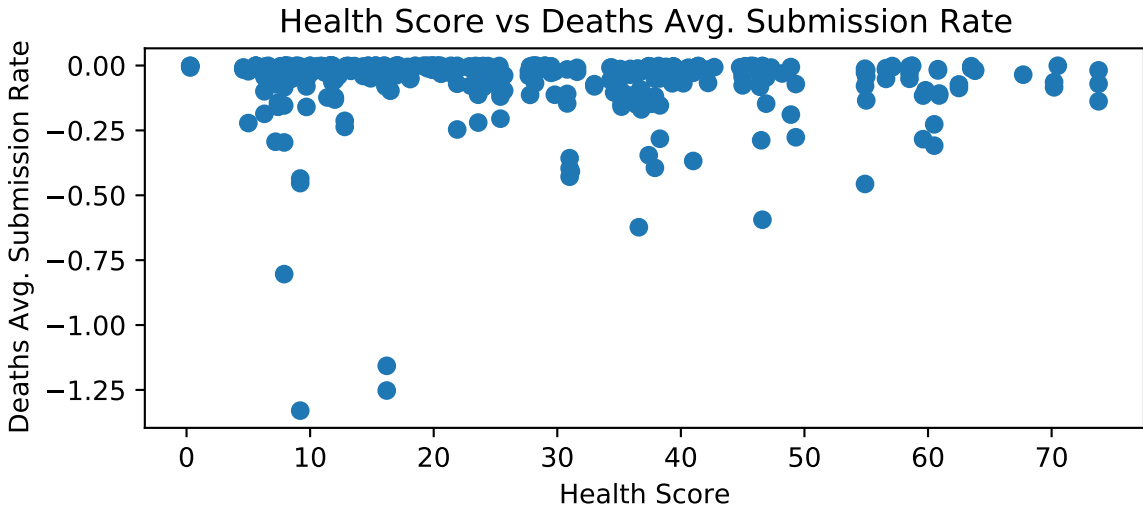


## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Growth Length	0.841	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.386	Moderate
P-Value	0.0	Significant

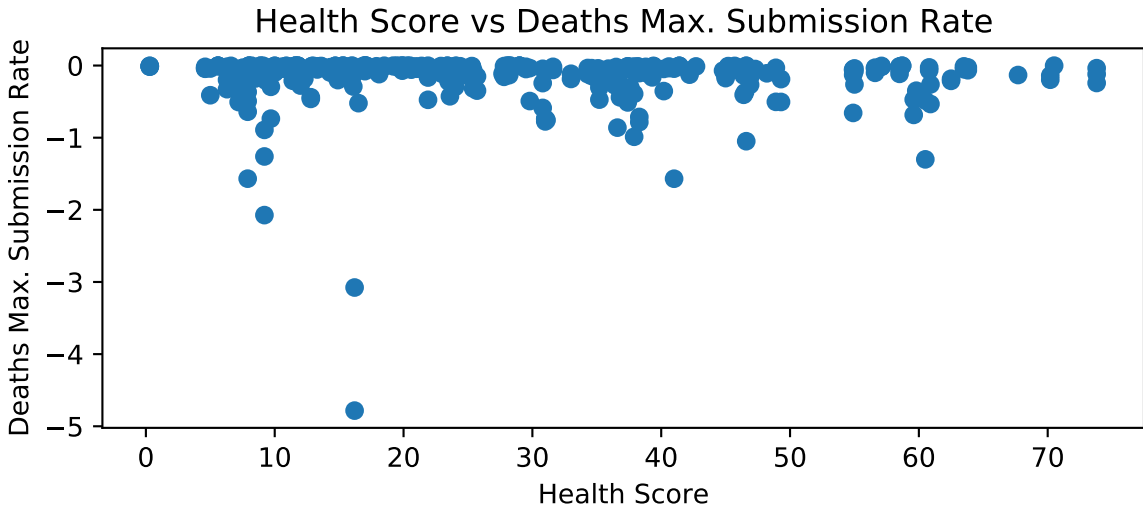


Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Avg. Submission Rate	0.402	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.207	Moderate
P-Value	0.0	Significant



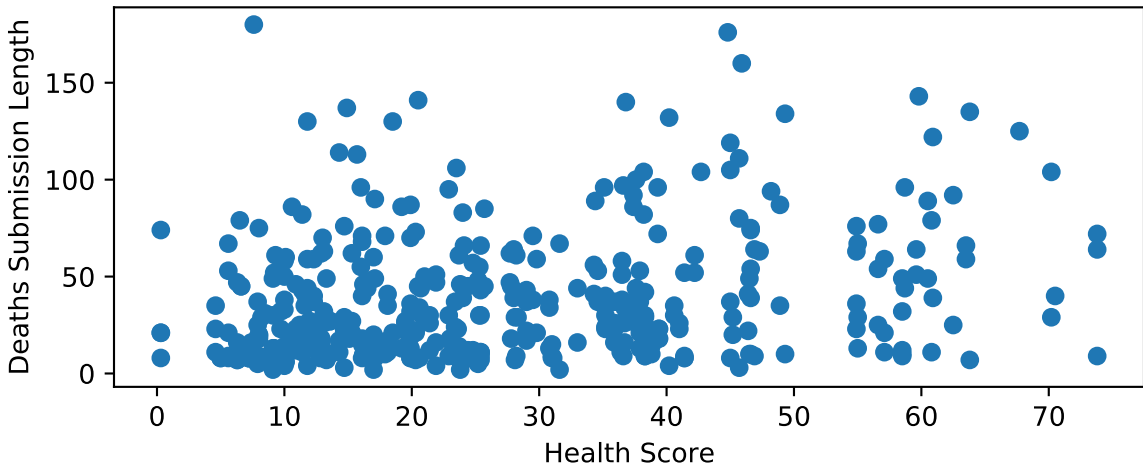
### Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Max. Submission Rate	0.396	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.204	Moderate
P-Value	0.0	Significant

Health Score vs Deaths Submission Length



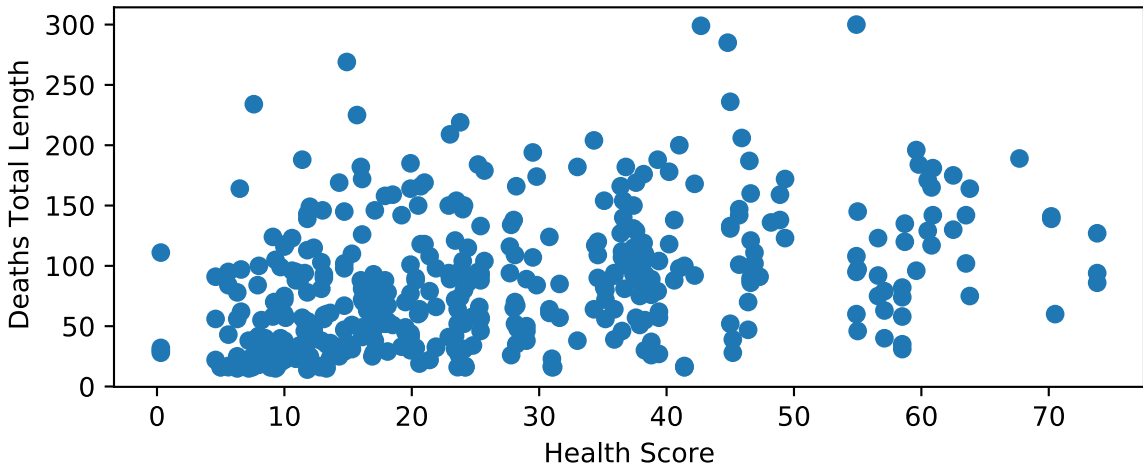
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Submission Length	0.837	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.271	Moderate
P-Value	0.0	Significant

Health Score vs Deaths Total Length



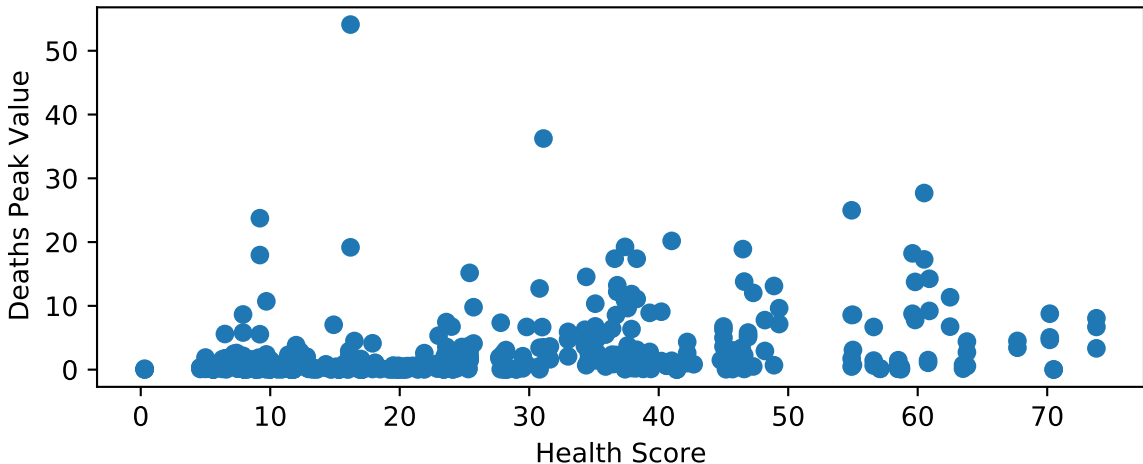
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Total Length	0.918	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.433	Relatively Strong
P-Value	0.0	Significant

# Health Score vs Deaths Peak Value



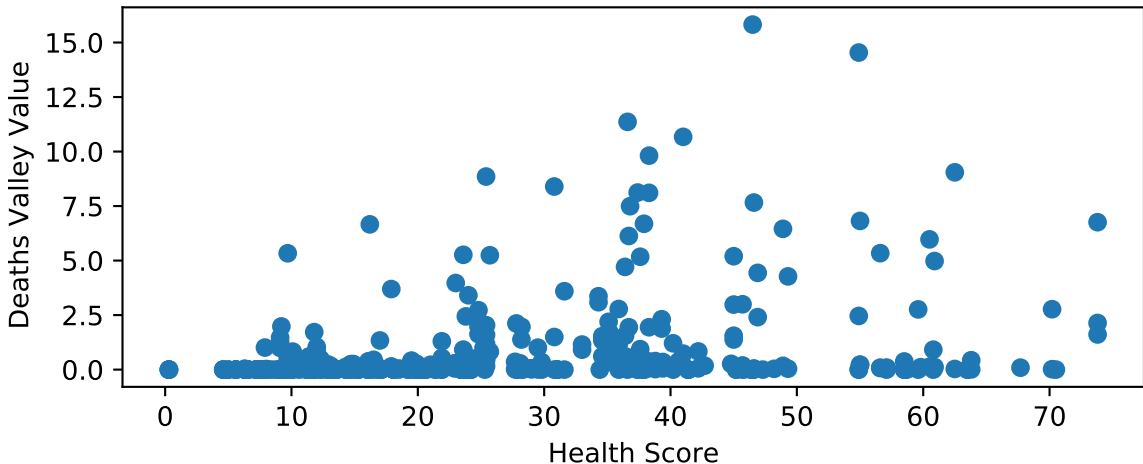
## Shapiro-Wilk Test

## Spearman Correlation Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Peak Value	0.57	0.0

Output	Results	Outcome
Score	0.384	Moderate
P-Value	0.0	Significant

Health Score vs Deaths Valley Value



Shapiro-Wilk Test

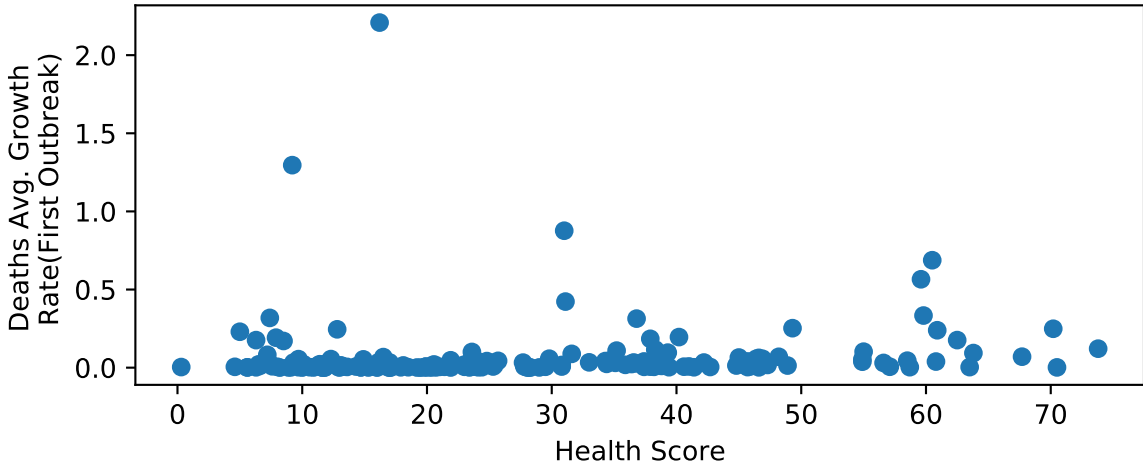
Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Valley Value	0.464	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.381	Moderate
P-Value	0.0	Significant



# Health Score vs Deaths Avg. Growth Rate(First Outbreak)



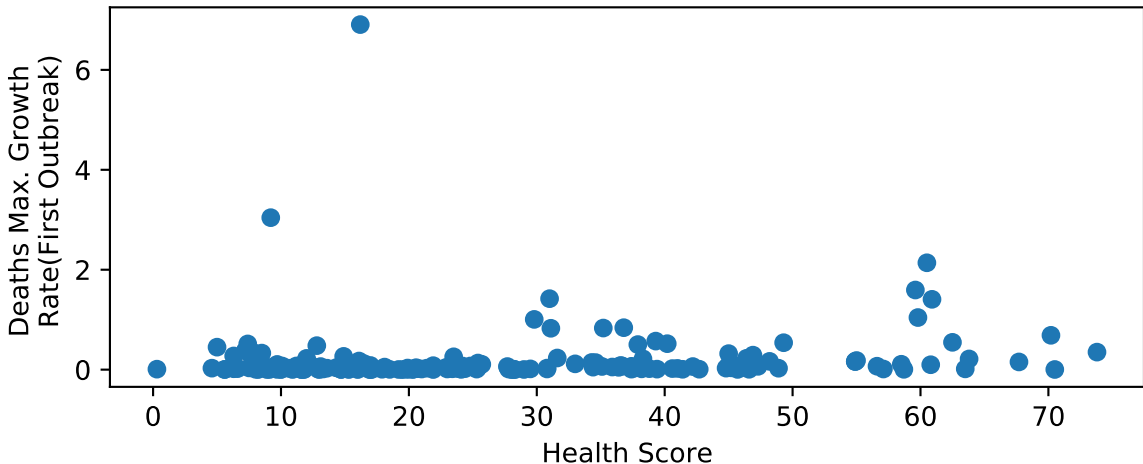
## Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Avg. Growth Rate(First Outbreak)	0.359	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.317	Moderate
P-Value	0.0	Significant

Health Score vs Deaths Max. Growth Rate(First Outbreak)



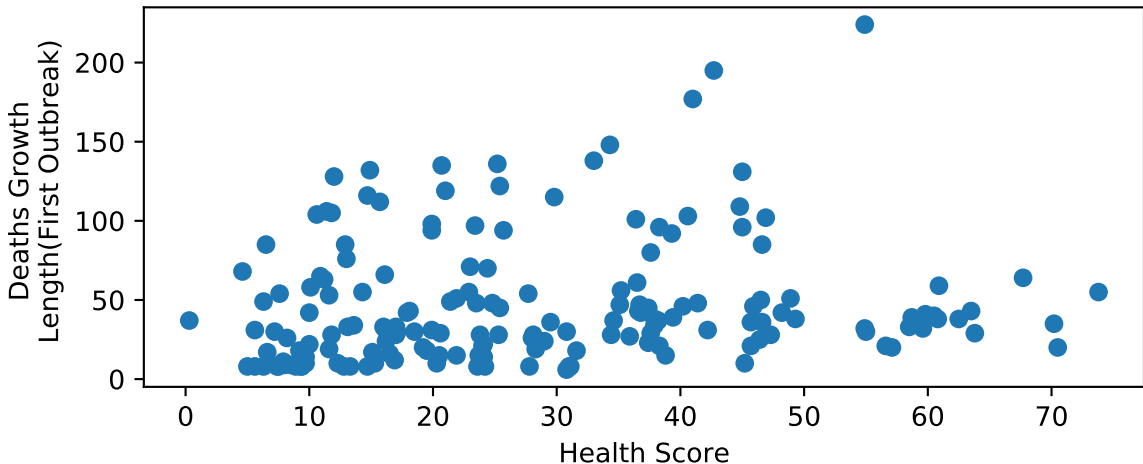
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Max. Growth Rate(First Outbreak)	0.379	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.29	Moderate
P-Value	0.0	Significant

Health Score vs Deaths Growth Length(First Outbreak)



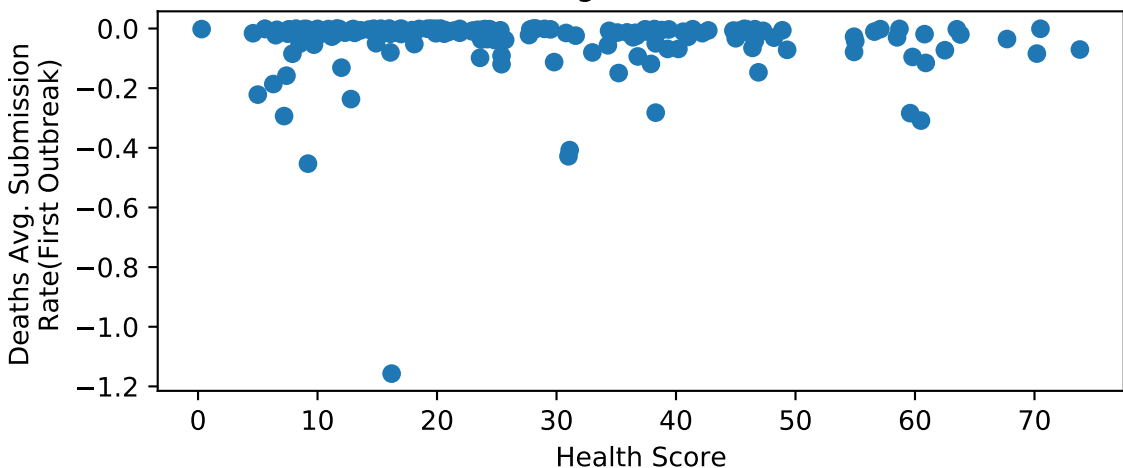
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Growth Length(First Outbreak)	0.819	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.235	Moderate
P-Value	0.002	Significant

Health Score vs Deaths Avg. Submission Rate(First Outbreak)



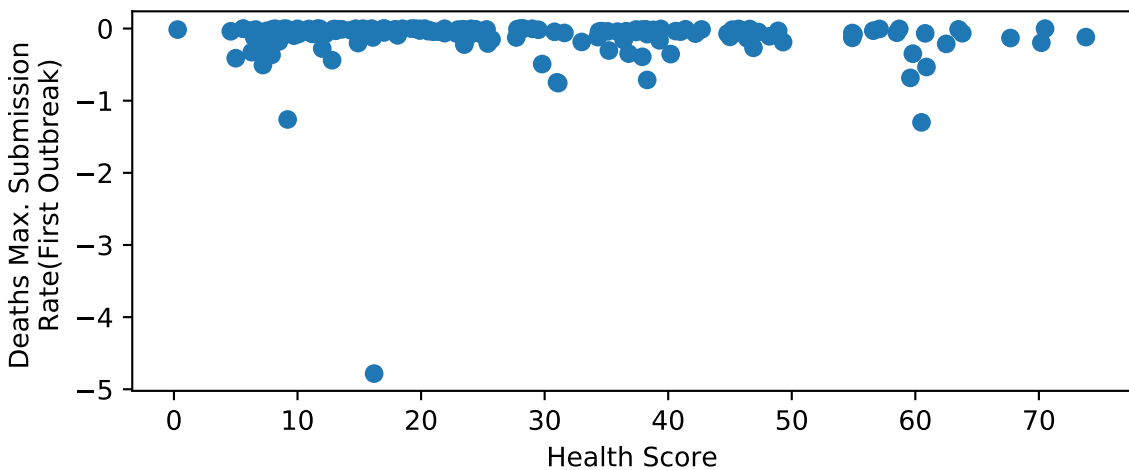
Shapiro-Wilk Test

Null	Stat	PValue
Health Score	0.992	0.9
Deaths Avg. Submission Rate(First Outbreak)	0.294	0.2

Spearman Correlation Test

Output	Results	Outcome
Score	-0.193	Weak
P-Value	0.011	Significant

Health Score vs Deaths Max. Submission Rate(First Outbreak)



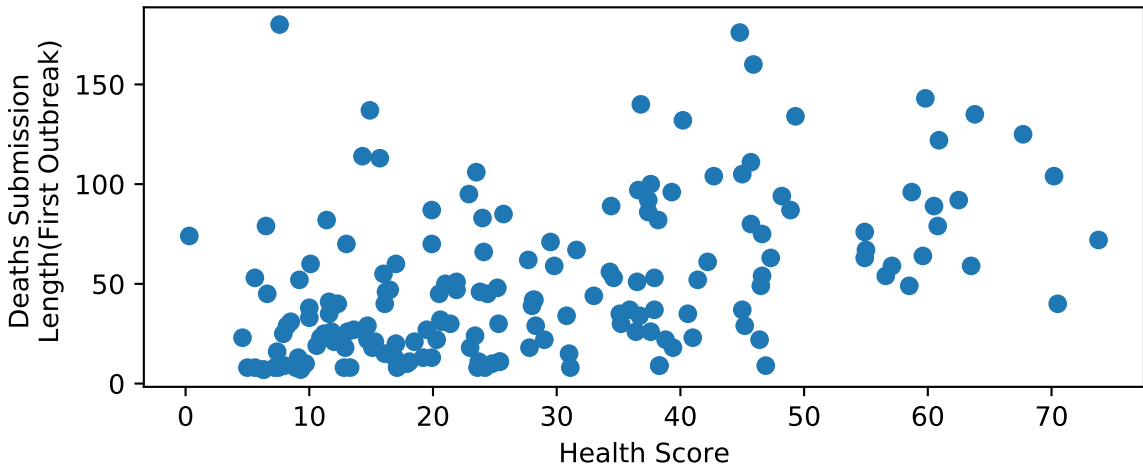
Shapiro-Wilk Test

W	Stat	P-Value
0.981	0.981	0.9
Shapiro-Wilk Test Statistic	0.981	0.9

Spearman Correlation Test

Output	Results	Outcome
Score	-0.22	Moderate
P-Value	0.004	Significant

Health Score vs Deaths Submission Length(First Outbreak)



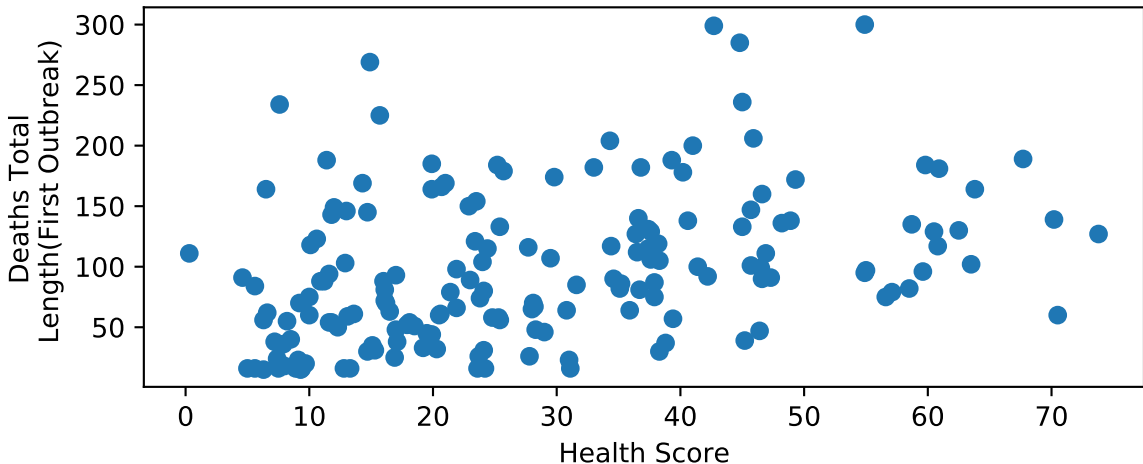
Shapiro-Wilk Test

Null	Stats	P-Value
Health Score	0.999	0.0
Deaths Submission Length(First Outbreak)	0.999	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.478	Relatively Strong
P-Value	0.0	Significant

Health Score vs Deaths Total Length(First Outbreak)

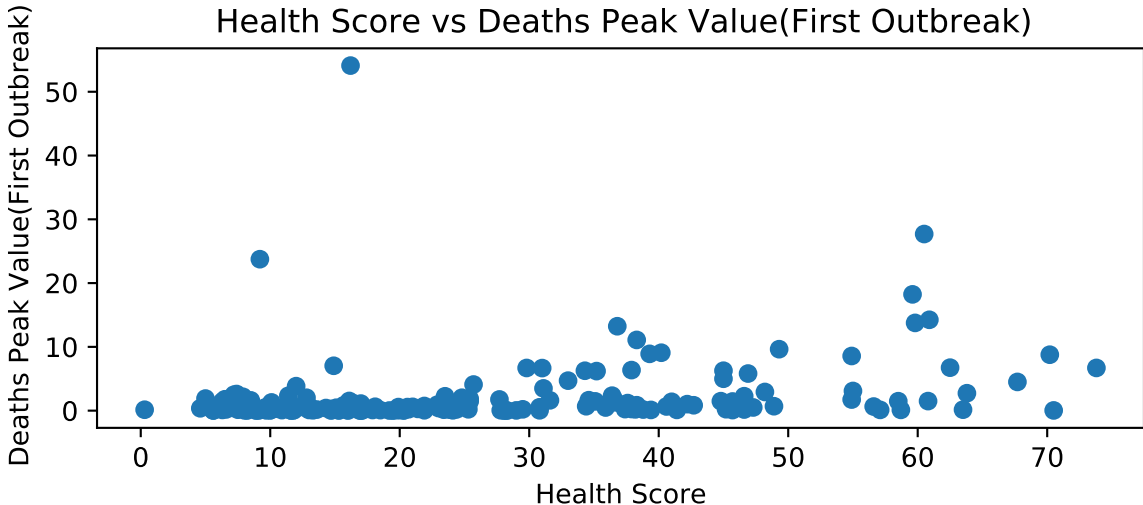


Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Total Length(First Outbreak)	0.926	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.42	Relatively Strong
P-Value	0.0	Significant



Shapiro-Wilk Test

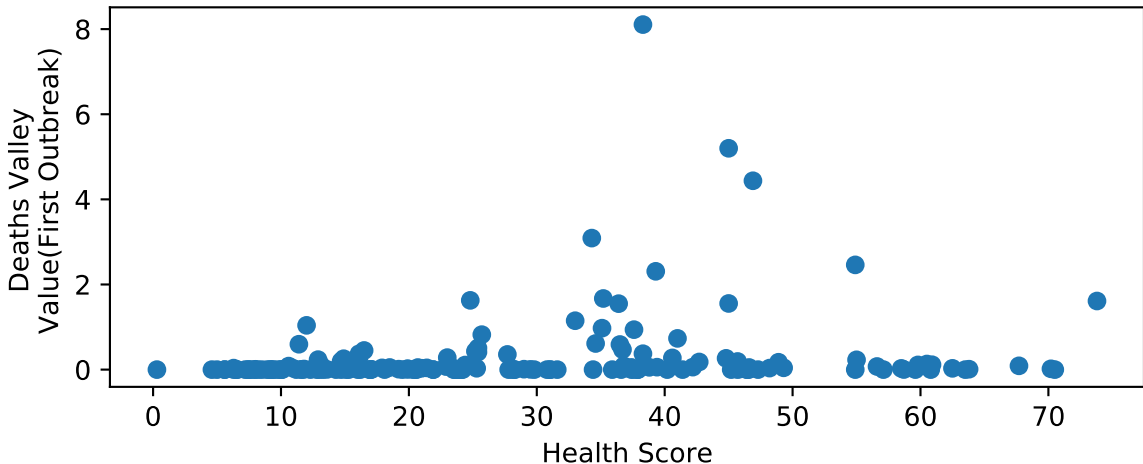
Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Peak Value(First Outbreak)	0.492	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.384	Moderate
P-Value	0.0	Significant



Health Score vs Deaths Valley Value(First Outbreak)



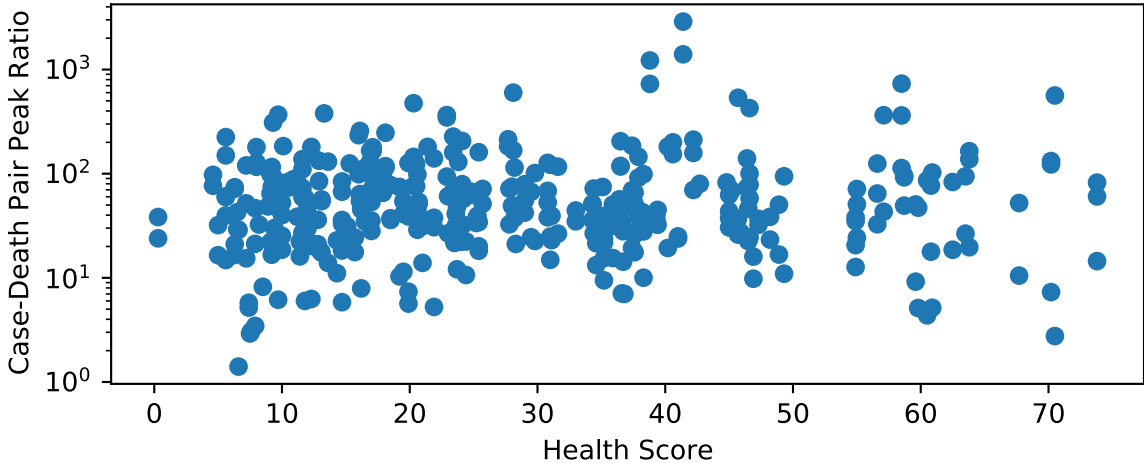
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Deaths Valley Value(First Outbreak)	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.35	Moderate
P-Value	0.0	Significant

Health Score vs Case-Death Pair Peak Ratio



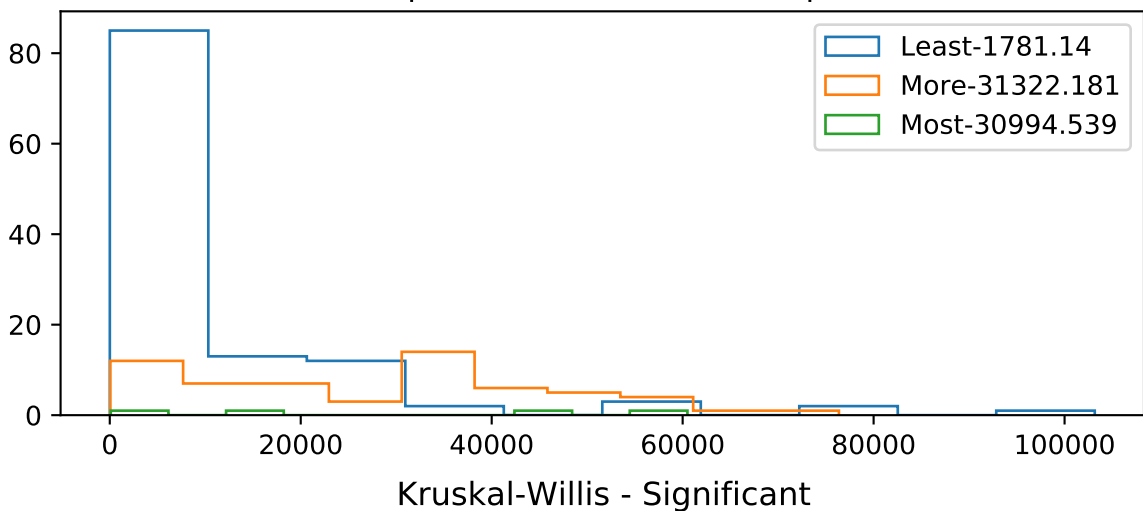
Shapiro-Wilk Test

Metric	Score	P-Value
Health Score	0.924	0.0
Case-Death Pair Peak Ratio	0.324	0.0

Spearman Correlation Test

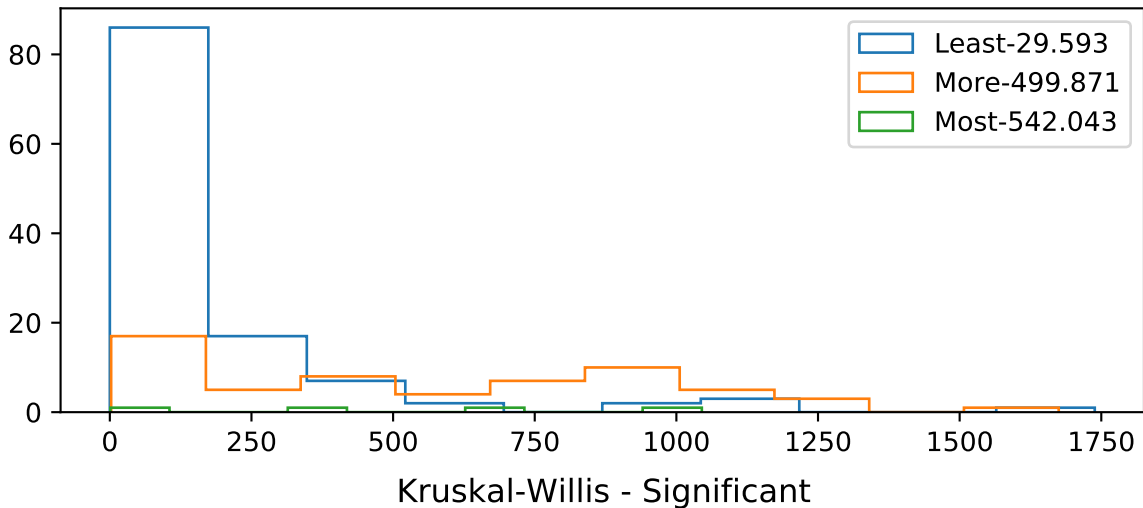
Output	Results	Outcome
Score	0.026	Negligible
P-Value	0.61	Not Significant

# Health Preparedness vs Total Cases per Million



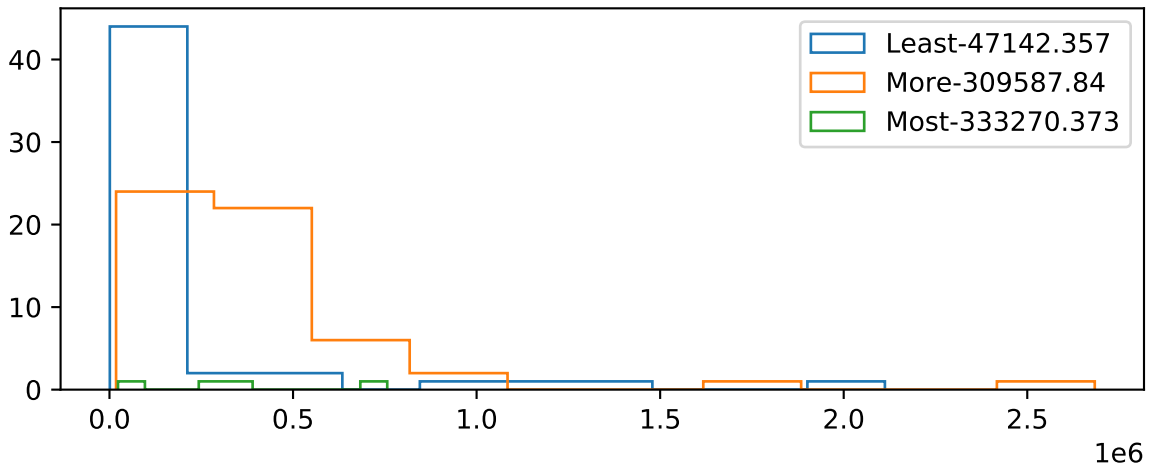
Source	ddof1	H	p-unc
Health Preparedness	2	45.215006203391795	1.519449089807616e-10

# Health Preparedness vs Total Deaths per Million



Source	ddof1	H	p-unc
Health Preparedness	2	45.4076596255846	1.37991391549617e-10

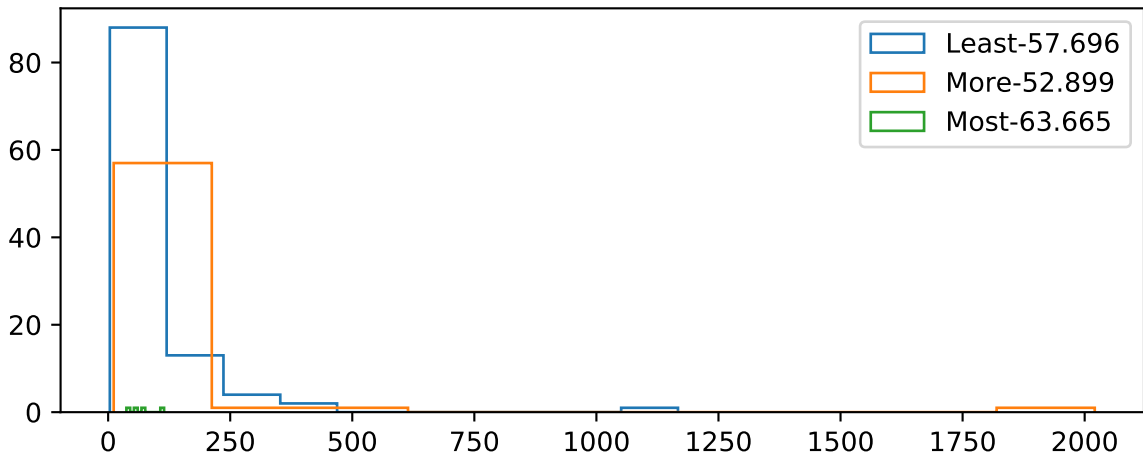
# Health Preparedness vs Total Tests per Million



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Health Preparedness	2	29.65012121254216	3.6438289739286014e-07

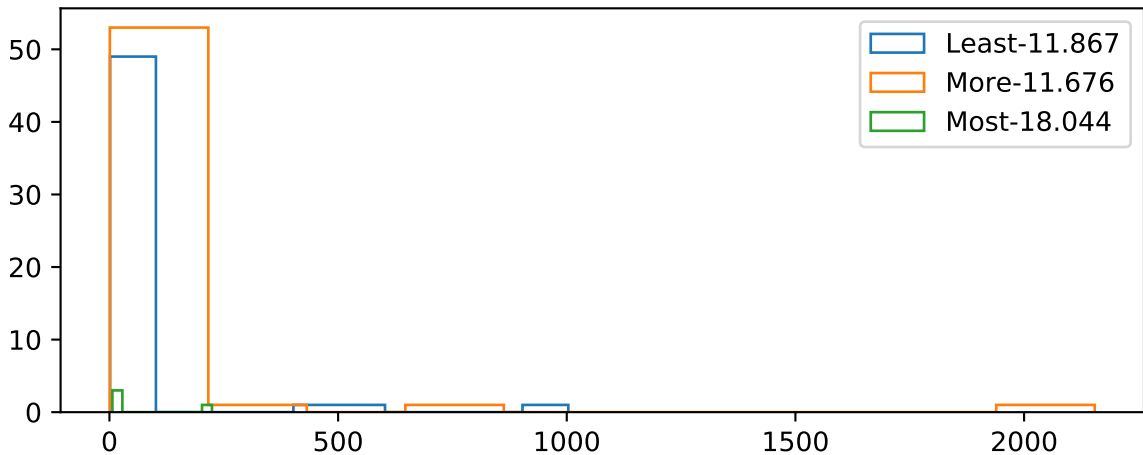
# Health Preparedness vs Case-Death Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Health Preparedness	2	0.9898388373586613	0.6096200293041925

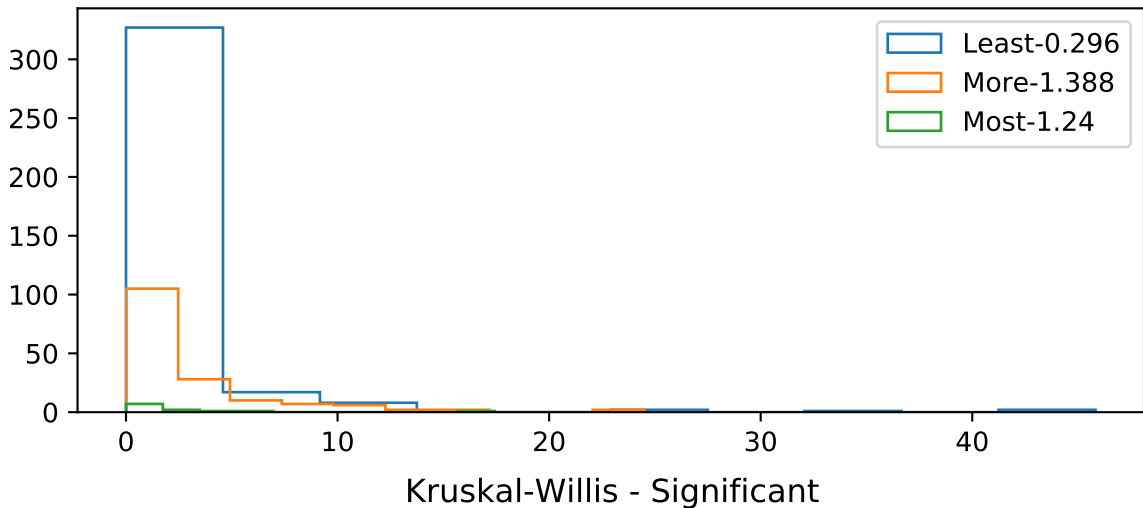
# Health Preparedness vs Test-Case Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Health Preparedness	2	0.6570952751420691	0.7199686298521343

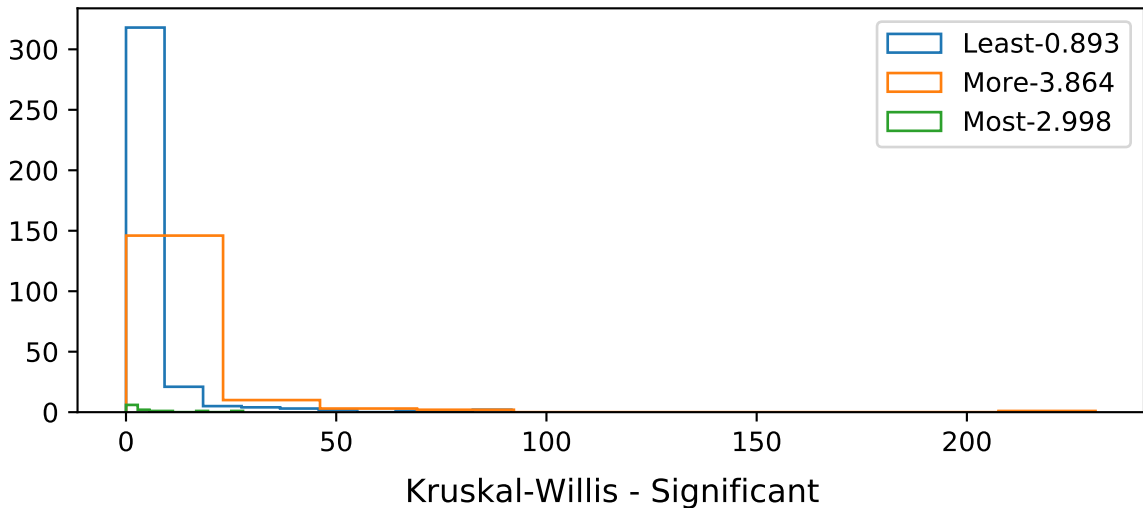
# Health Preparedness vs Cases Avg. Growth Rate



Source	ddof1	H	p-unc
x	2	69.89644689276247	6.640173160411256e-16

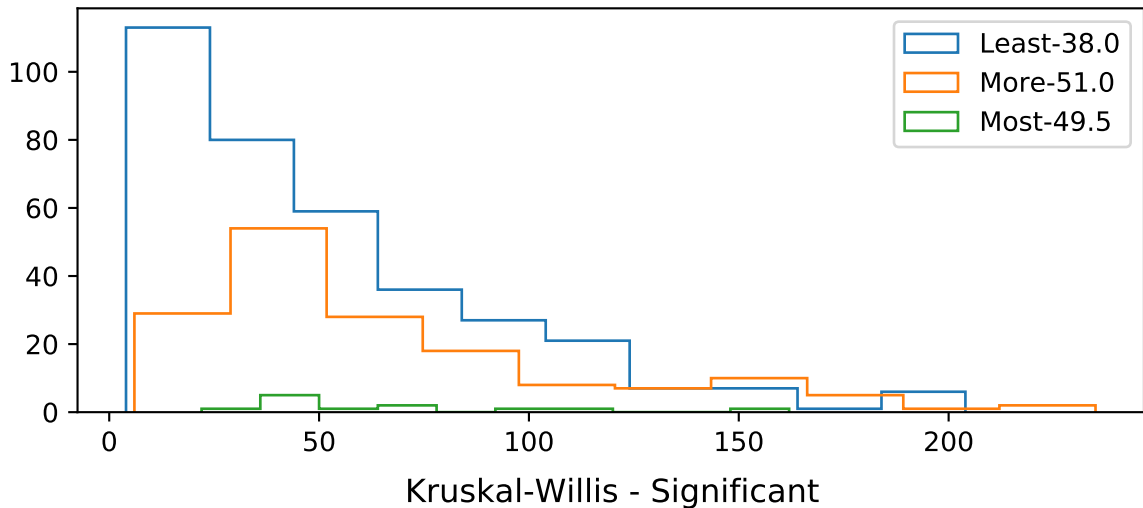


# Health Preparedness vs Cases Max. Growth Rate



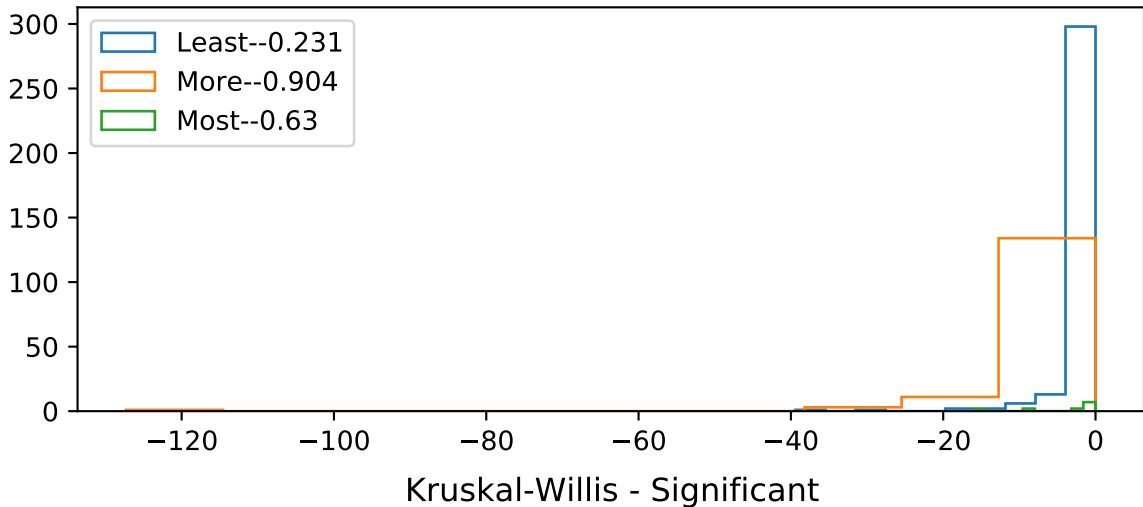
Source	ddof1	H	p-unc
x	2	63.226230731937676	1.8646547884722927e-14

# Health Preparedness vs Cases Growth Length



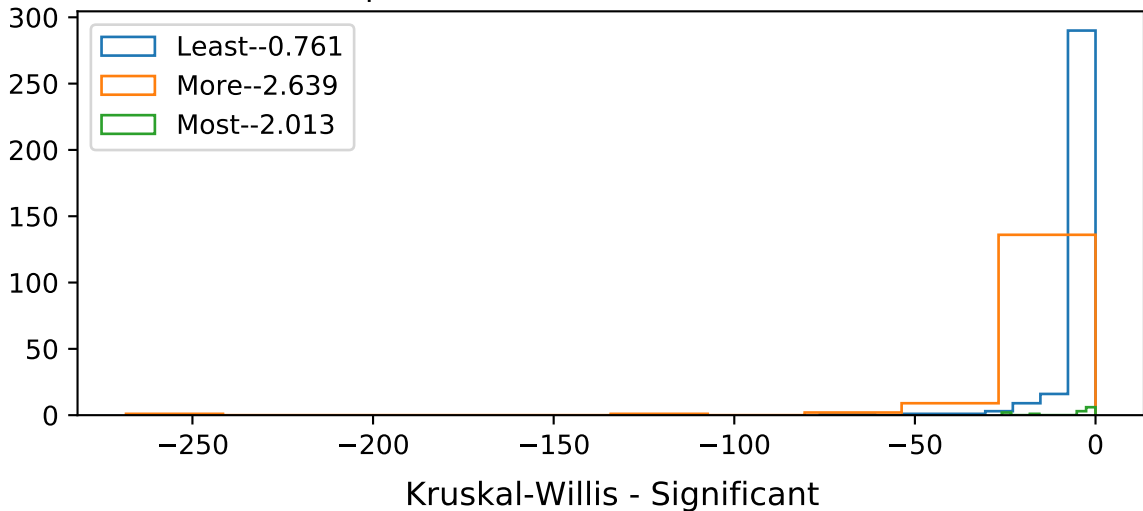
Source	ddof1	H	p-unc
x	2	20.23210978619477	4.0425293462460536e-05

# Health Preparedness vs Cases Avg. Submission Rate



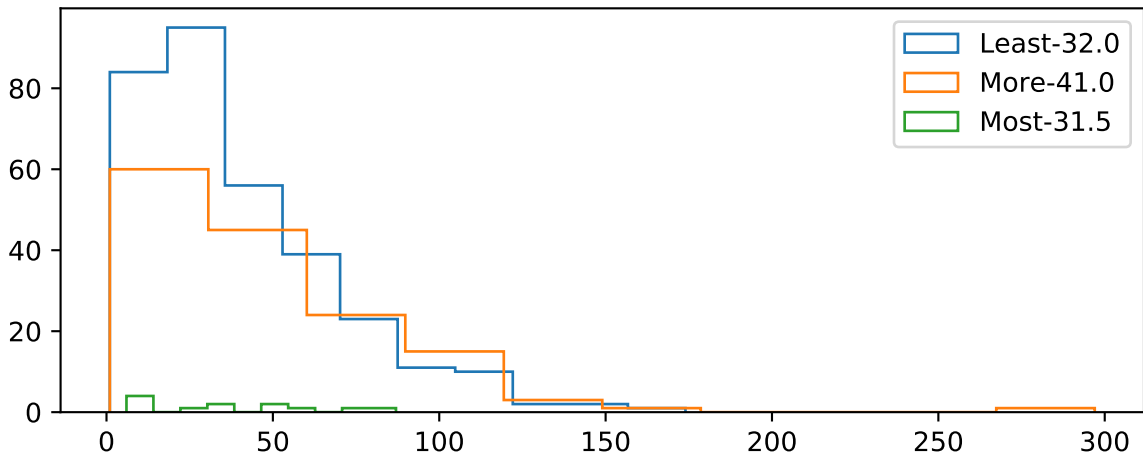
Source	ddof1	H	p-unc
x	2	51.73436656623379	5.834787417744267e-12

# Health Preparedness vs Cases Max. Submission Rate



Source	ddof1	H	p-unc
x	2	46.58556656284917	7.65724869864322e-11

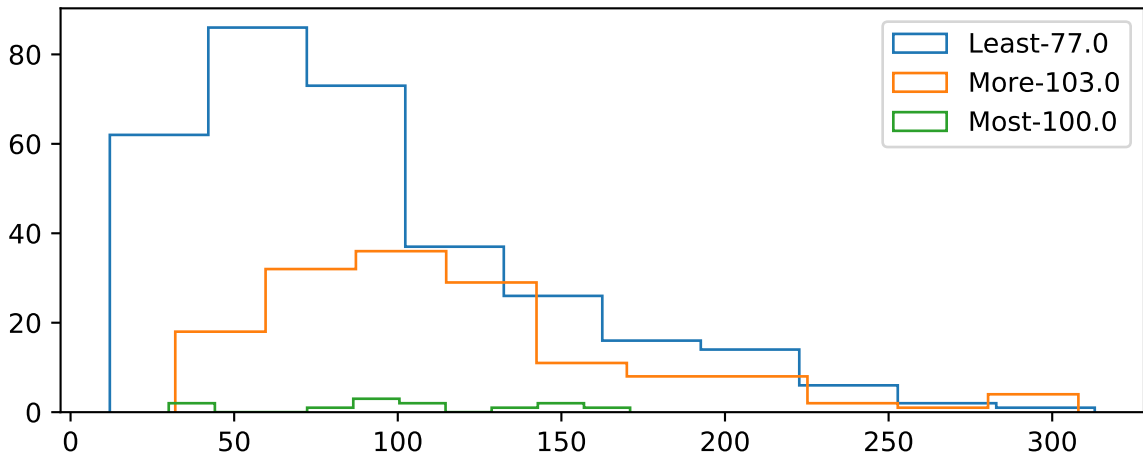
## Health Preparedness vs Cases Submission Length



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	5.98714629325796	0.0501080729759018

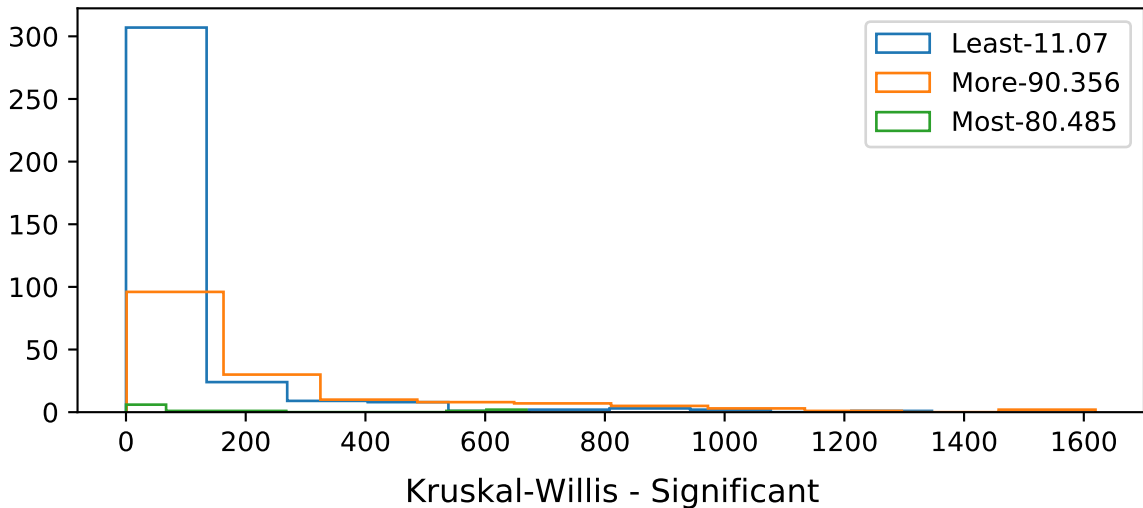
# Health Preparedness vs Cases Total Length



Kruskal-Willis - Significant

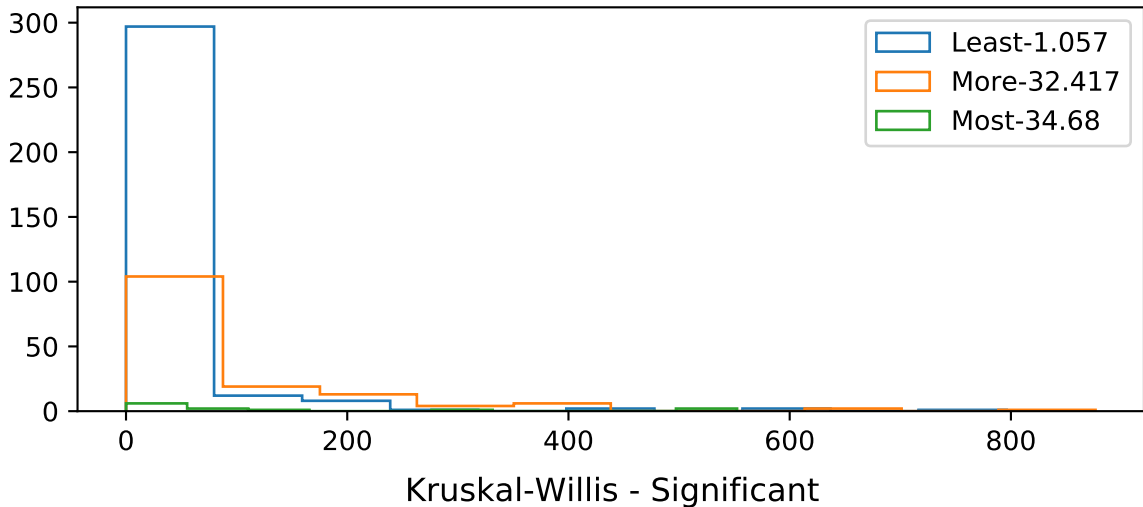
Source	ddof1	H	p-unc
x	2	28.42515039007534	6.722905693333552e-07

# Health Preparedness vs Cases Peak Value



Source	ddof1	H	p-unc
x	2	91.30042023747774	1.494051774617642e-20

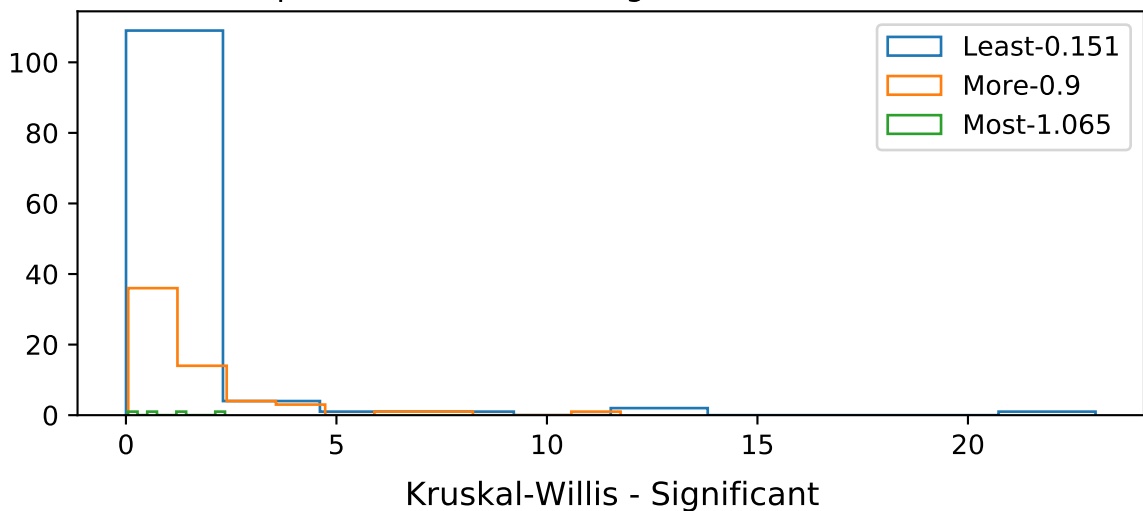
# Health Preparedness vs Cases Valley Value



Source	ddof1	H	p-unc
x	2	86.66060218778489	1.5201601224004333e-19

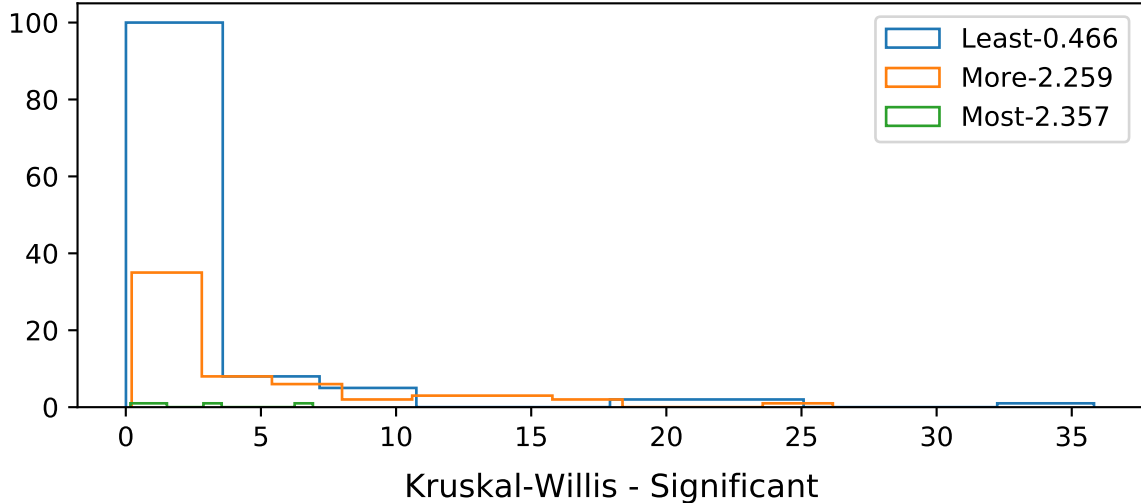


Health Preparedness vs Cases Avg. Growth Rate(First Outbreak)



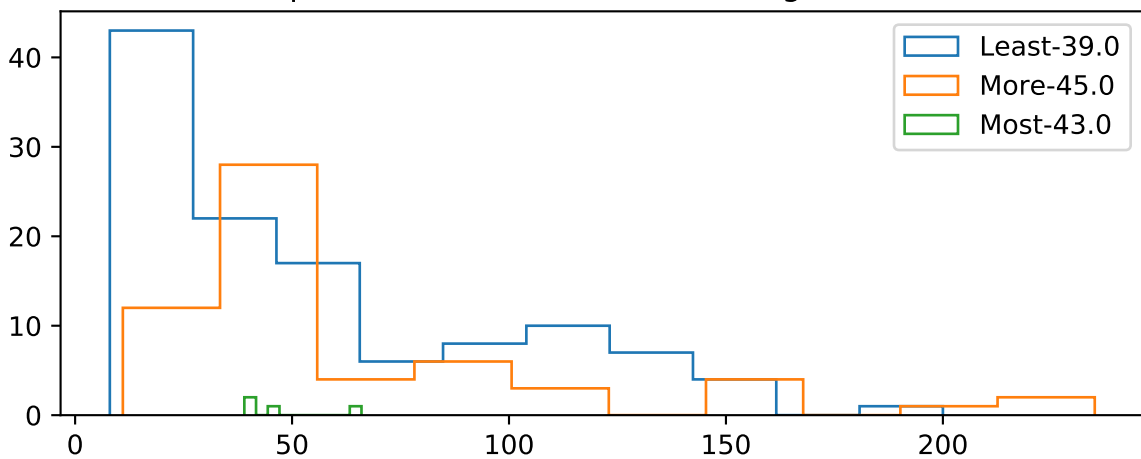
Source	ddof1	H	p-unc
Health Preparedness	2	32.242341330060185	9.969297089416471e-08

# Health Preparedness vs Cases Max. Growth Rate(First Outbreak)



Source	ddof1	H	p-unc
Health Preparedness	2	29.202756260133356	4.5572415666377985e-07

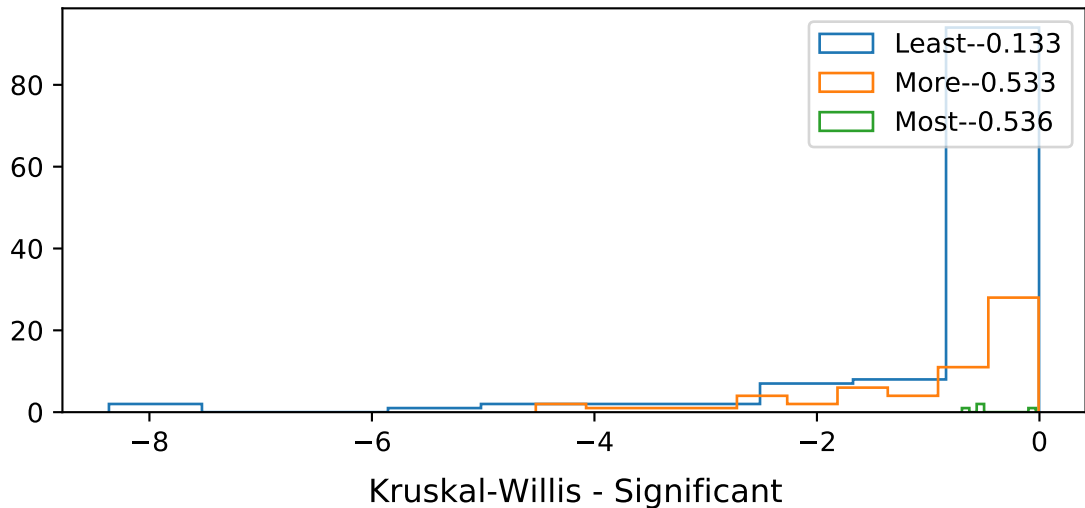
Health Preparedness vs Cases Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

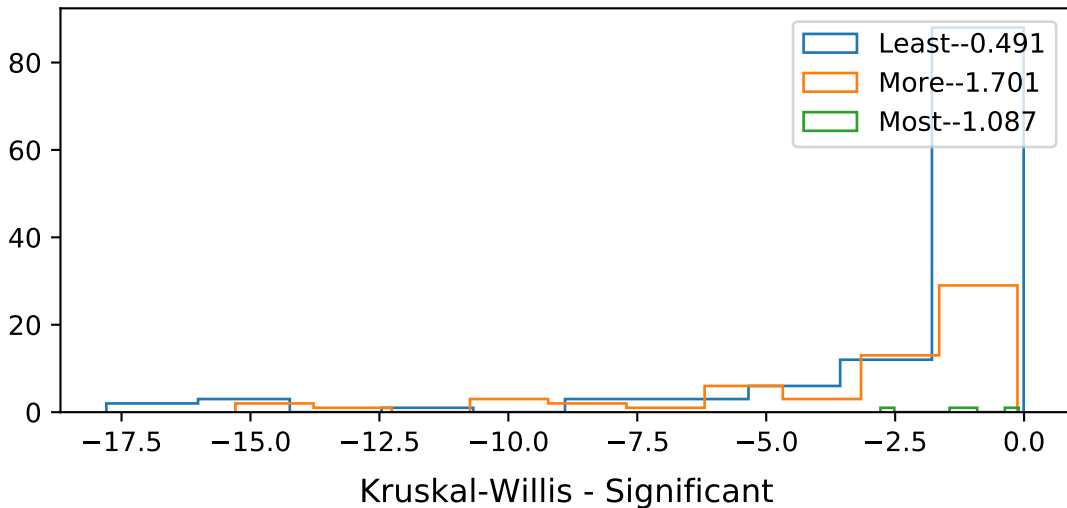
Source	ddof1	H	p-unc
Health Preparedness	2	3.4491435335287988	0.1782493677347054

# Health Preparedness vs Cases Avg. Submission Rate(First Outbreak)



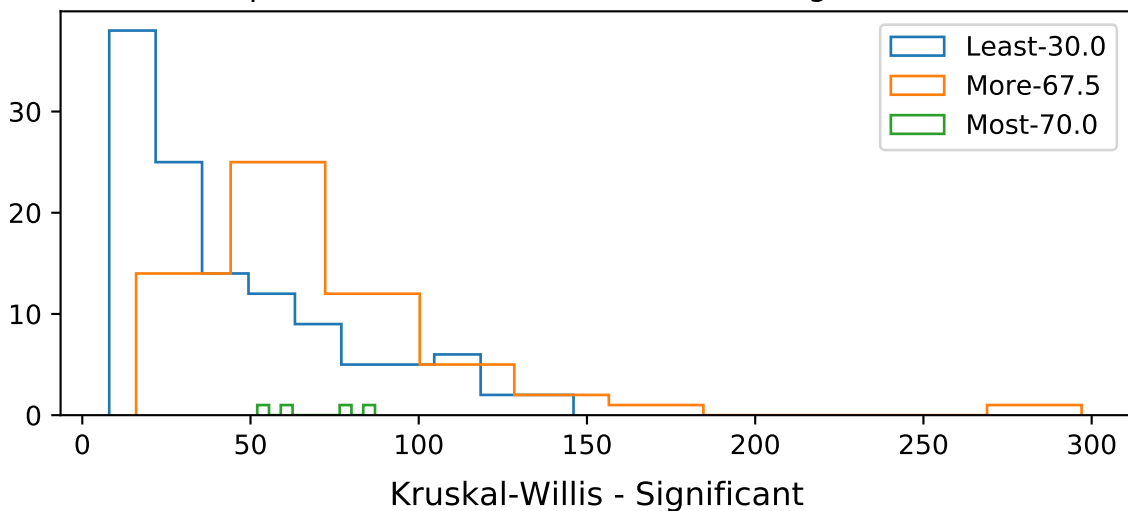
Source	ddof1	H	p-unc
Health Preparedness	2	18.222473784435465	0.00011041805539842818

# Health Preparedness vs Cases Max. Submission Rate(First Outbreak)



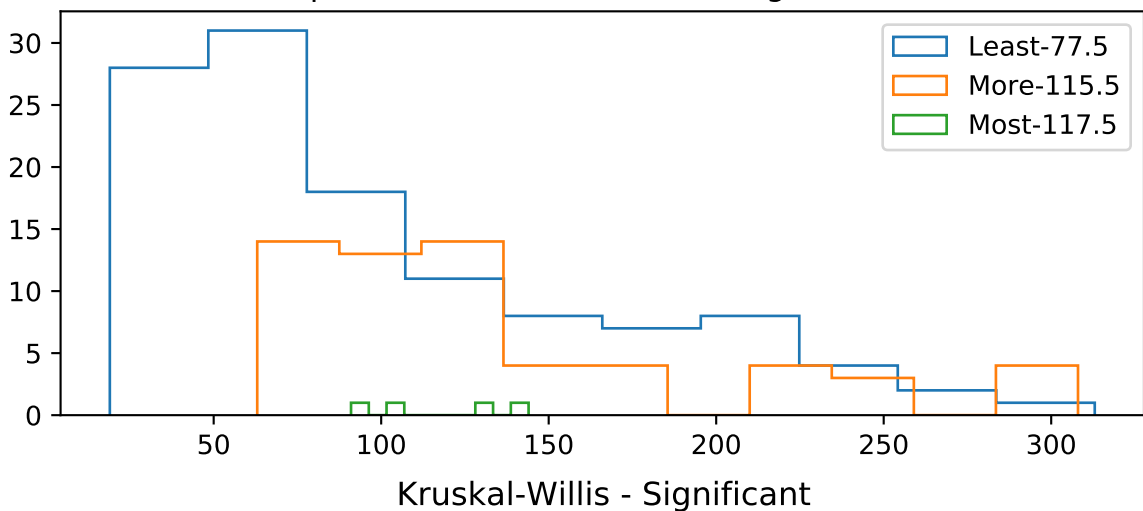
Source	ddof1	H	p-unc
Health Preparedness	2	19.30260145522709	6.434182139723425e-05

# Health Preparedness vs Cases Submission Length(First Outbreak)



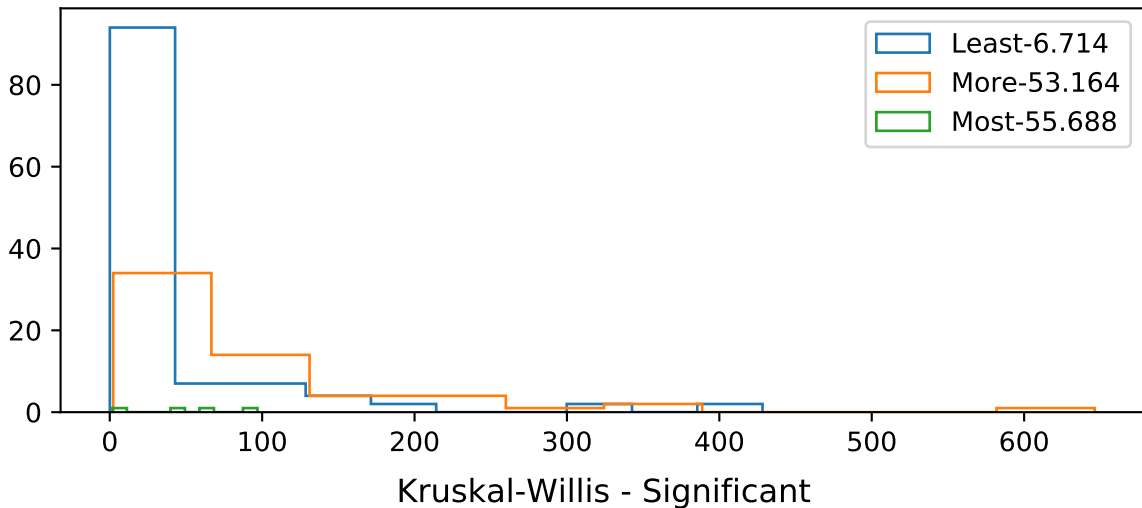
Source	ddof1	H	p-unc
Health Preparedness	2	25.595211695443847	2.7673902006240685e-06

# Health Preparedness vs Cases Total Length(First Outbreak)



Source	ddof1	H	p-unc
Health Preparedness	2	18.11340210697239	0.00011660702309499302

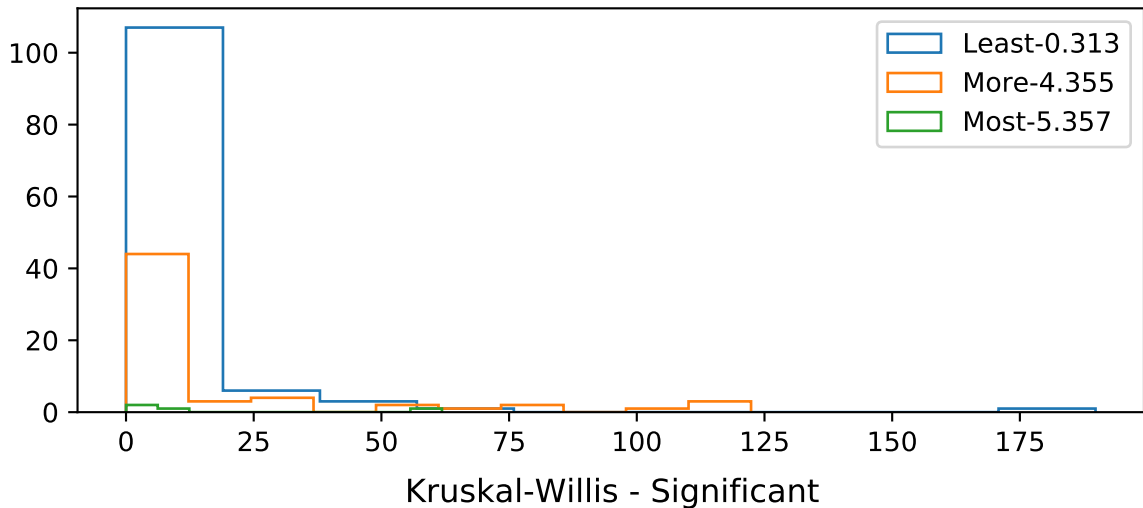
# Health Preparedness vs Cases Peak Value(First Outbreak)



Source	ddof1	H	p-unc
Health Preparedness	2	34.24180465269649	3.6684837061447474e-08

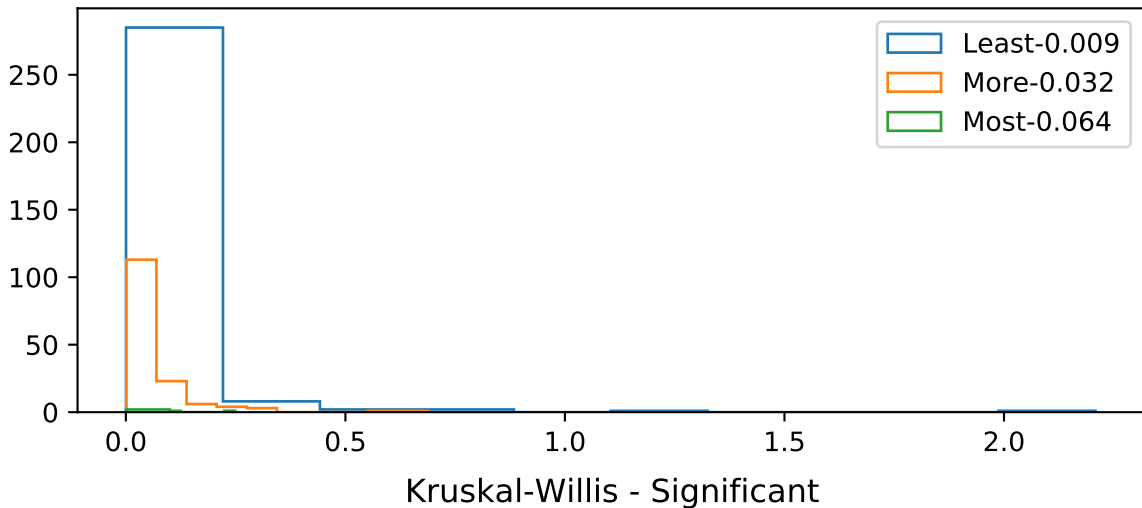


# Health Preparedness vs Cases Valley Value(First Outbreak)



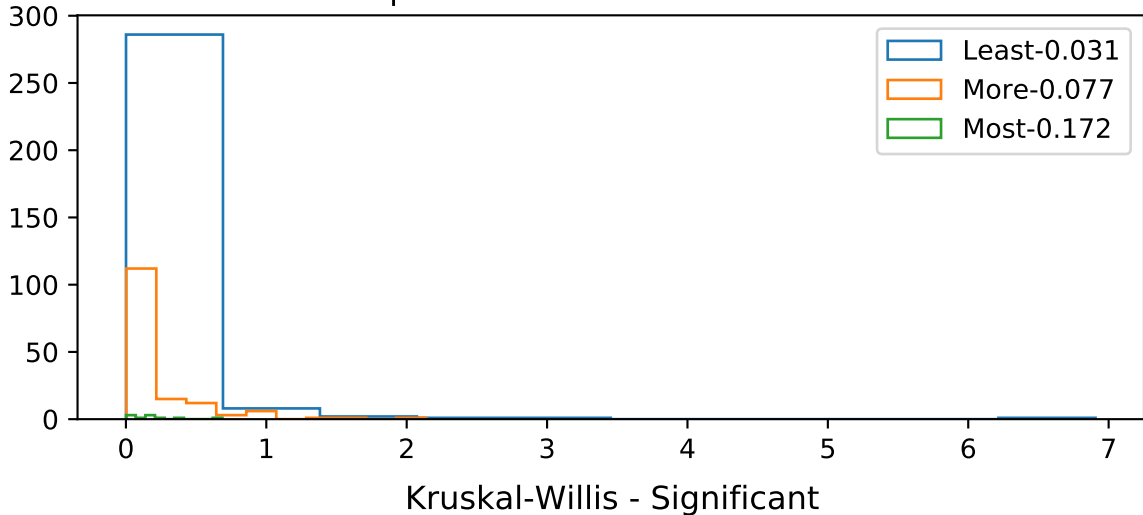
Source	ddof1	H	p-unc
Health Preparedness	2	29.609409593437466	3.718762137751254e-07

# Health Preparedness vs Deaths Avg. Growth Rate



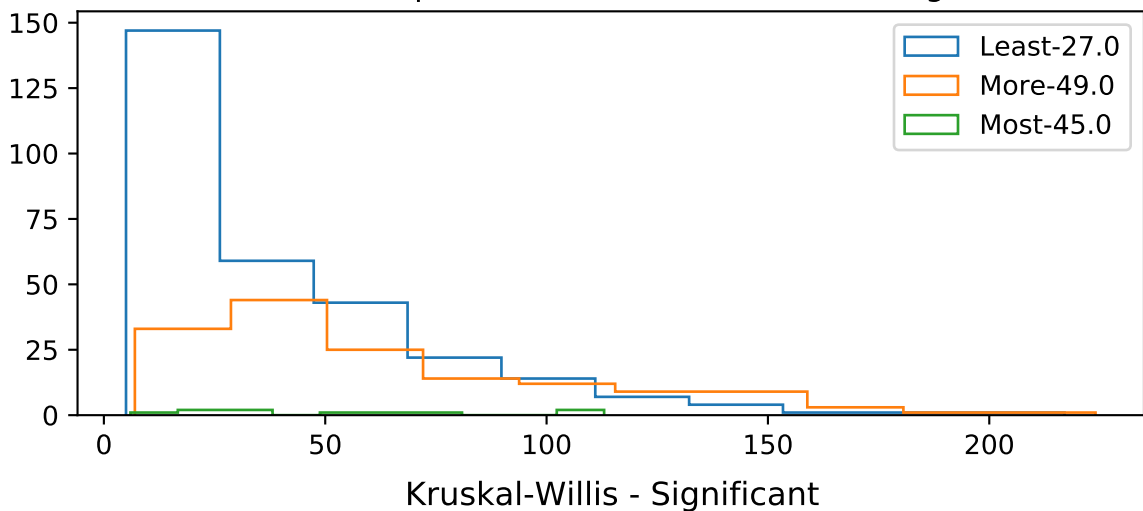
Source	ddof1	H	p-unc
x	2	31.288449534449462	1.6061995871445958e-07

# Health Preparedness vs Deaths Max. Growth Rate



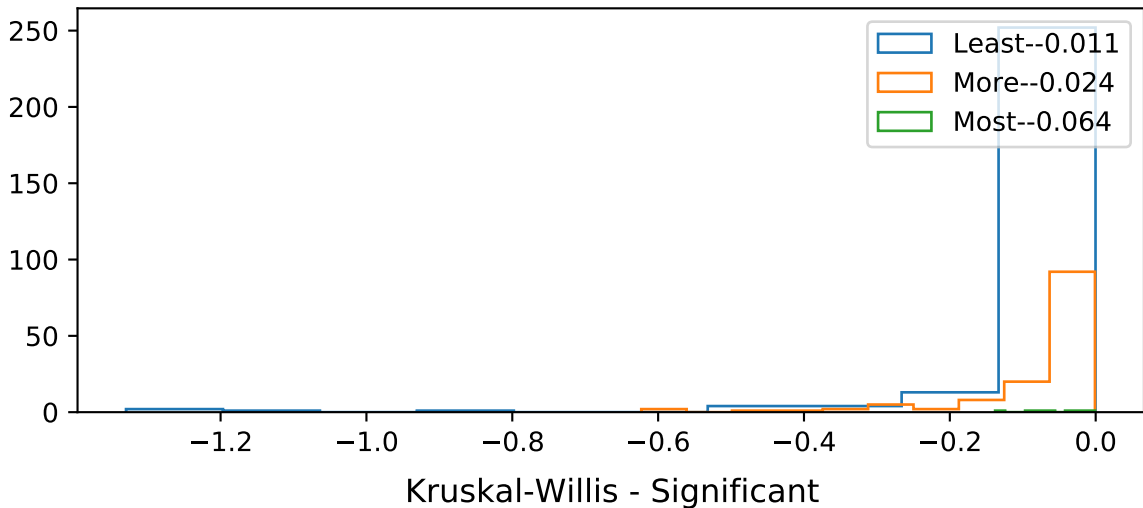
Source	ddof1	H	p-unc
x	2	31.24766974515679	1.6392859954045968e-07

# Health Preparedness vs Deaths Growth Length



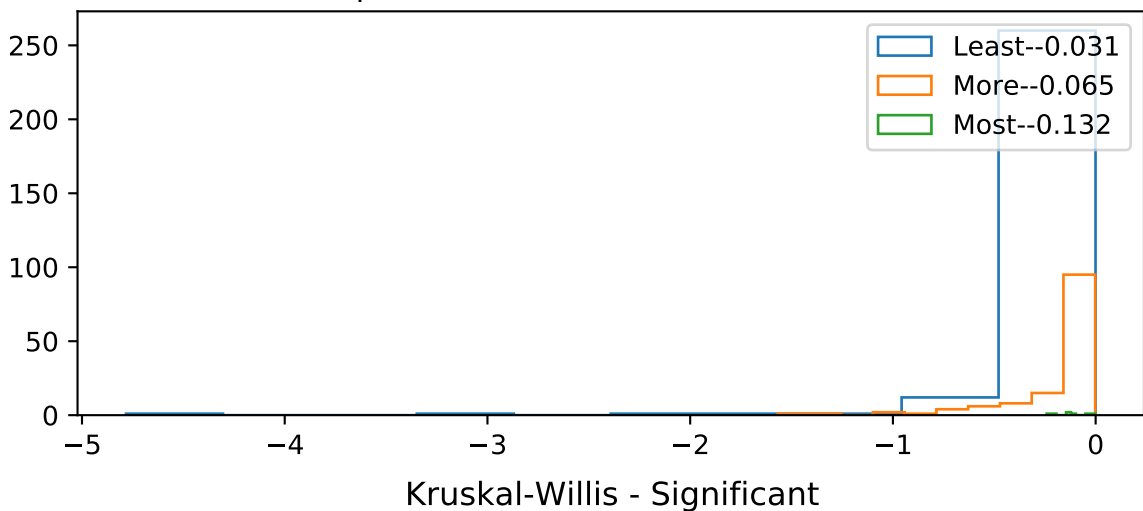
Source	ddof1	H	p-unc
x	2	44.30885011640534	2.390316709831019e-10

# Health Preparedness vs Deaths Avg. Submission Rate



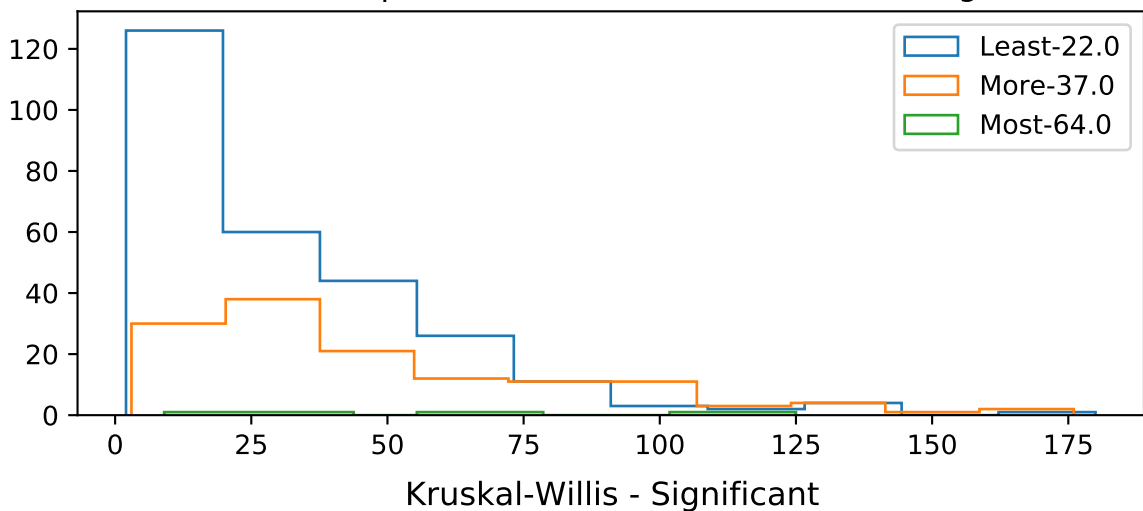
Source	ddof1	H	p-unc
x	2	18.918181781065993	7.797744883844725e-05

# Health Preapardness vs Deaths Max. Submission Rate



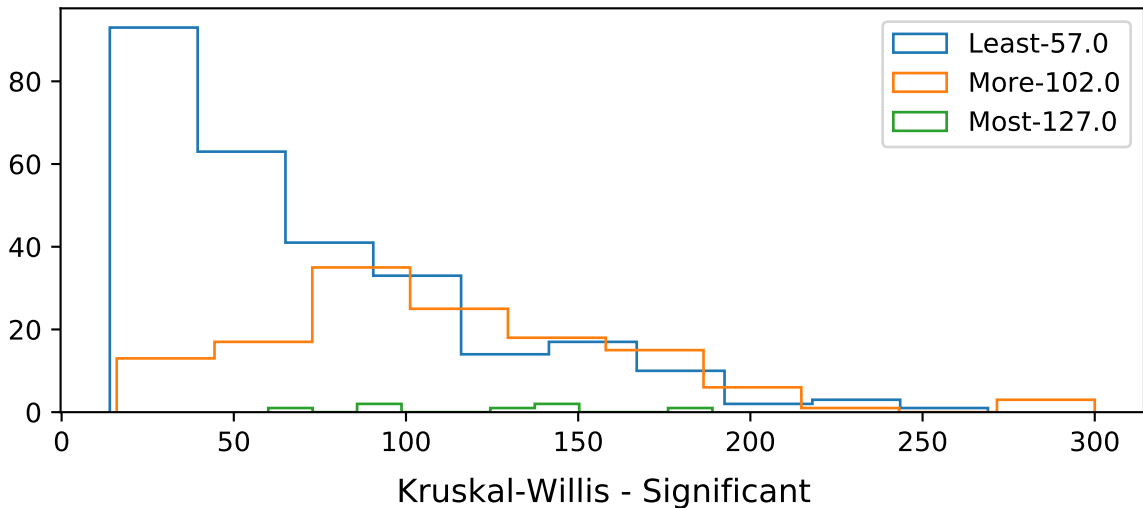
Source	ddof1	H	p-unc
x	2	20.422247393738857	3.675913848830192e-05

# Health Preparedness vs Deaths Submission Length



Source	ddof1	H	p-unc
x	2	28.294292617729347	7.177487145687263e-07

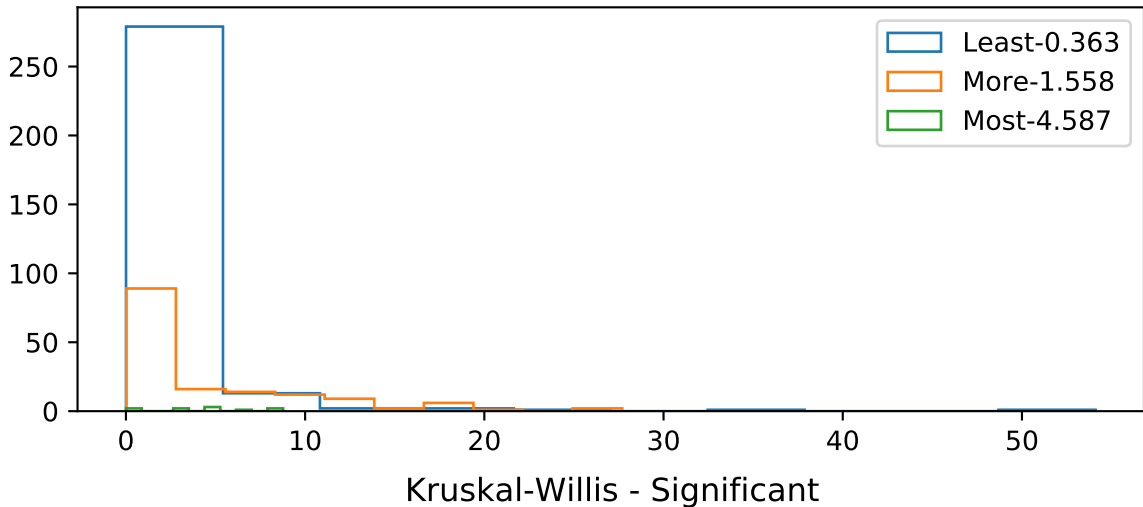
# Health Preparedness vs Deaths Total Length



Source	ddof1	H	p-unc
x	2	58.20547601523064	2.295310667164127e-13

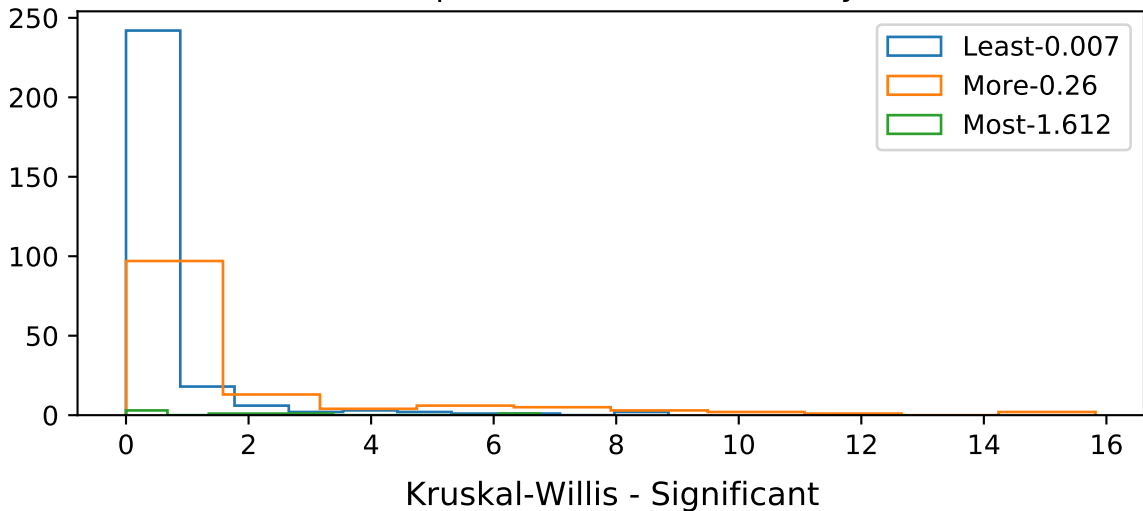


# Health Preparedness vs Deaths Peak Value



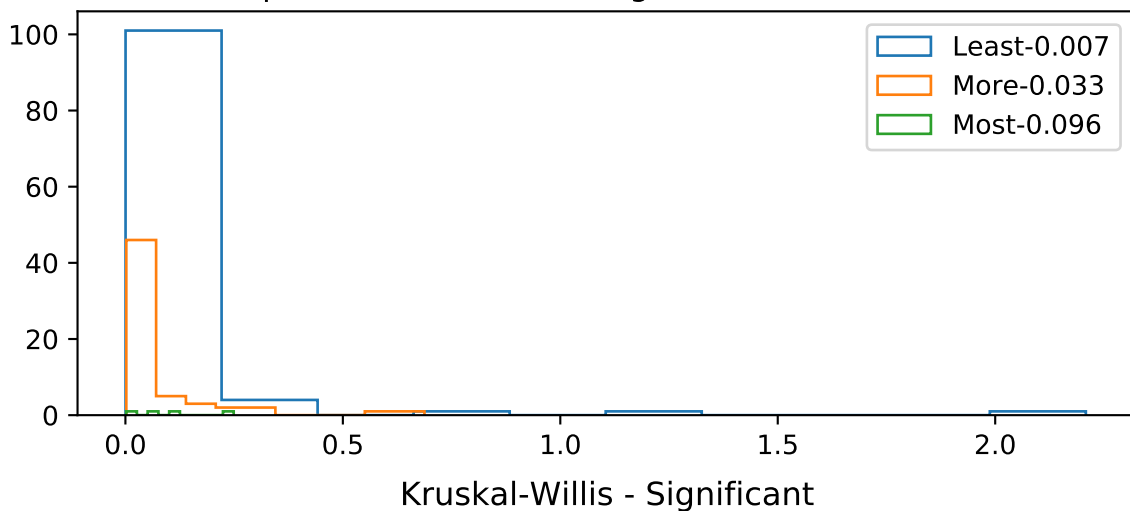
Source	ddof1	H	p-unc
x	2	64.21088379309644	1.1396821472964879e-14

# Health Preparedness vs Deaths Valley Value



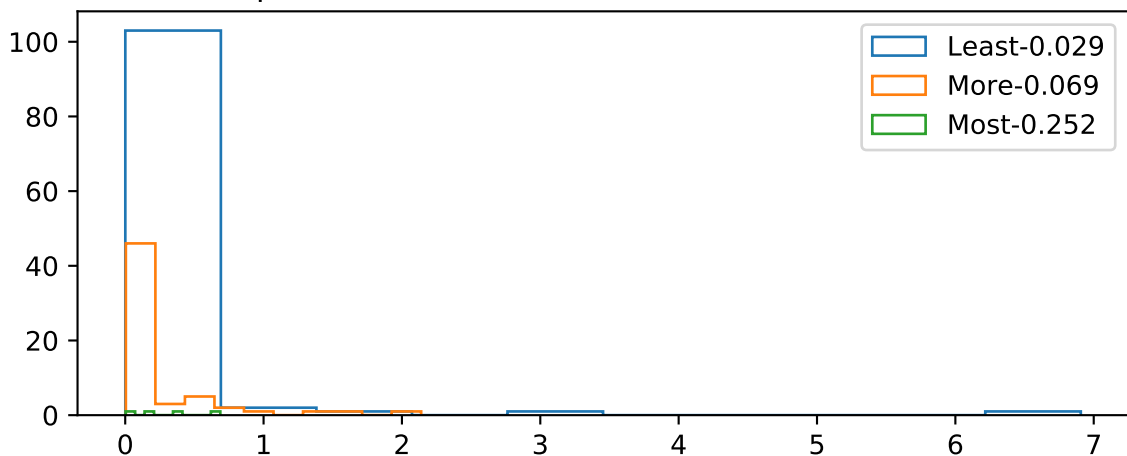
Source	ddof1	H	p-unc
x	2	42.38914451797734	6.241862846685003e-10

Health Preparedness vs Deaths Avg. Growth Rate(First Outbreak)



Source	ddof1	H	p-unc
Health Preparedness	2	20.71701991008365	3.172168774416084e-05

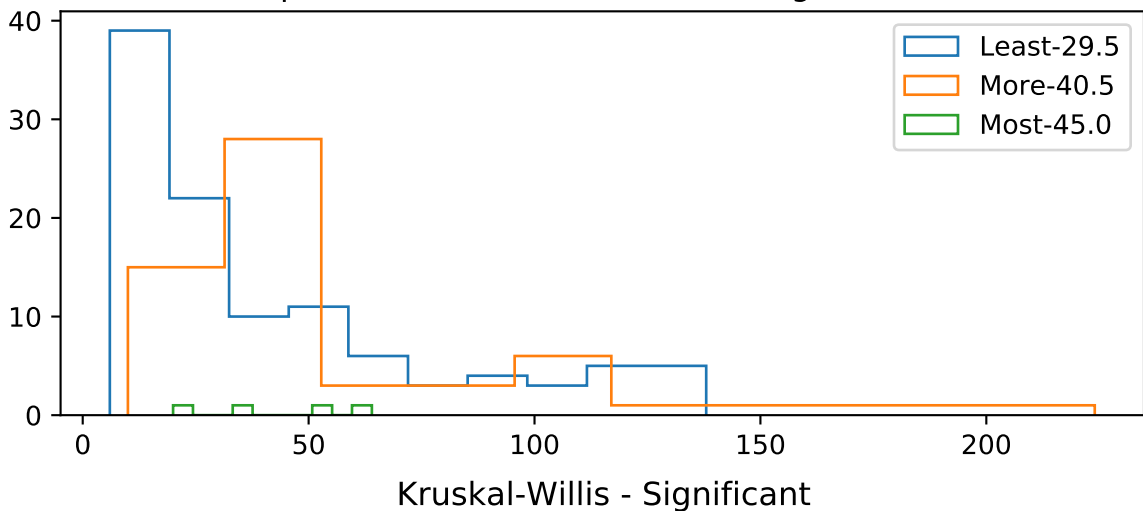
Health Preparedness vs Deaths Max. Growth Rate(First Outbreak)



Kruskal-Willis - Significant

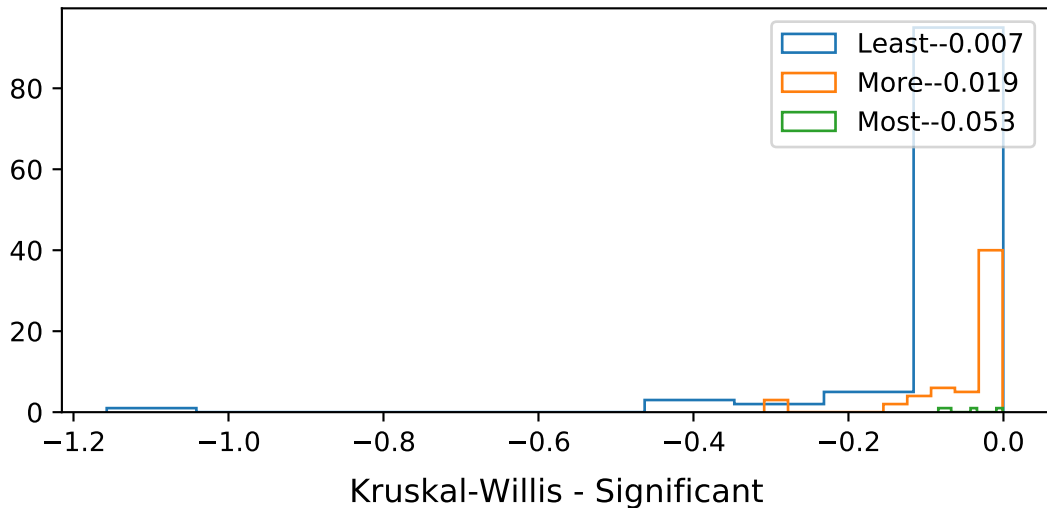
Source	ddof1	H	p-unc
Health Preparedness	2	17.60623739749974	0.00015026371631735578

Health Preparedness vs Deaths Growth Length(First Outbreak)



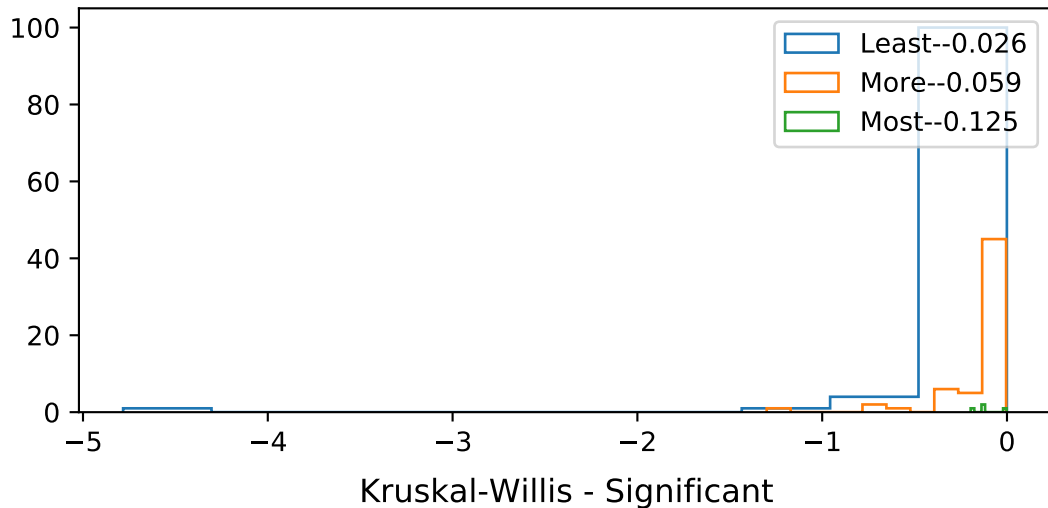
Source	ddof1	H	p-unc
Health Preparedness	2	10.15246170559953	0.006243397005634243

# Health Preparedness vs Deaths Avg. Submission Rate(First Outbreak)



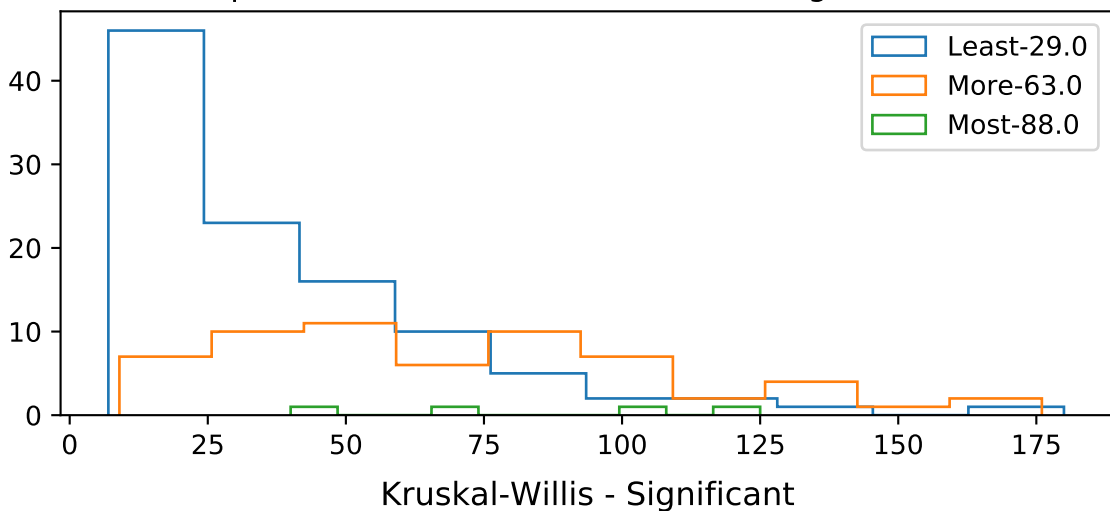
Source	ddof1	H	p-unc
Health Preparedness	2	8.174516034815156	0.016785195229863256

# Health Preparedness vs Deaths Max. Submission Rate(First Outbreak)



Source	ddof1	H	p-unc
Health Preparedness	2	10.229168630047184	0.006008474948148203

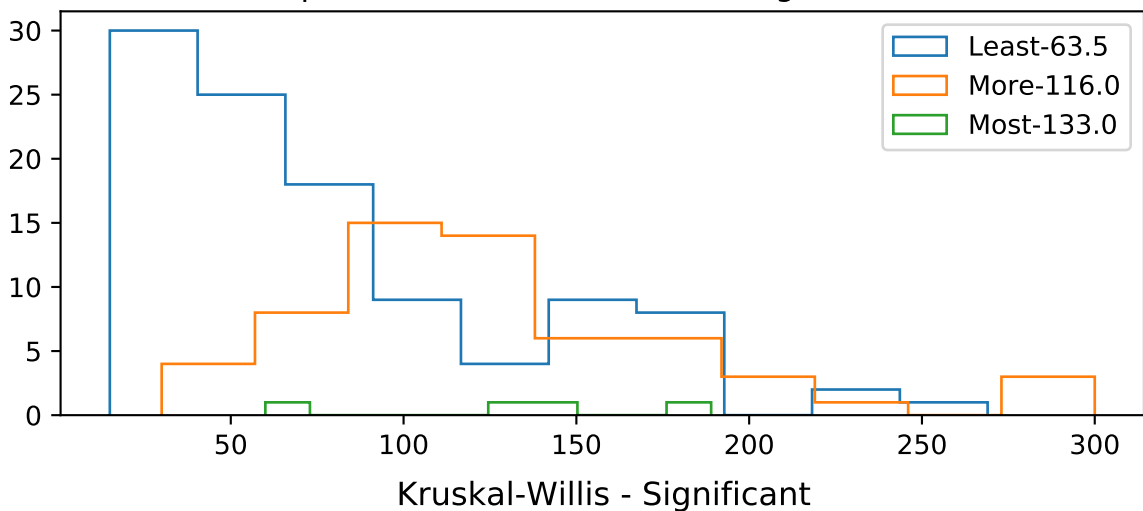
# Health Preparedness vs Deaths Submission Length(First Outbreak)



Source	ddof1	H	p-unc
Health Preparedness	2	35.827018988615166	1.6605871582960555e-08

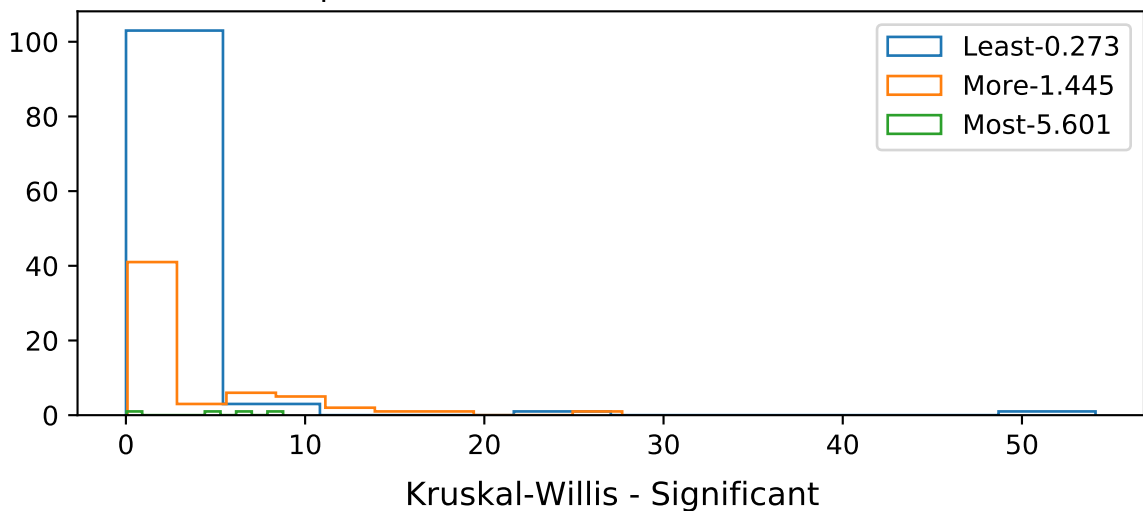


# Health Preparedness vs Deaths Total Length(First Outbreak)



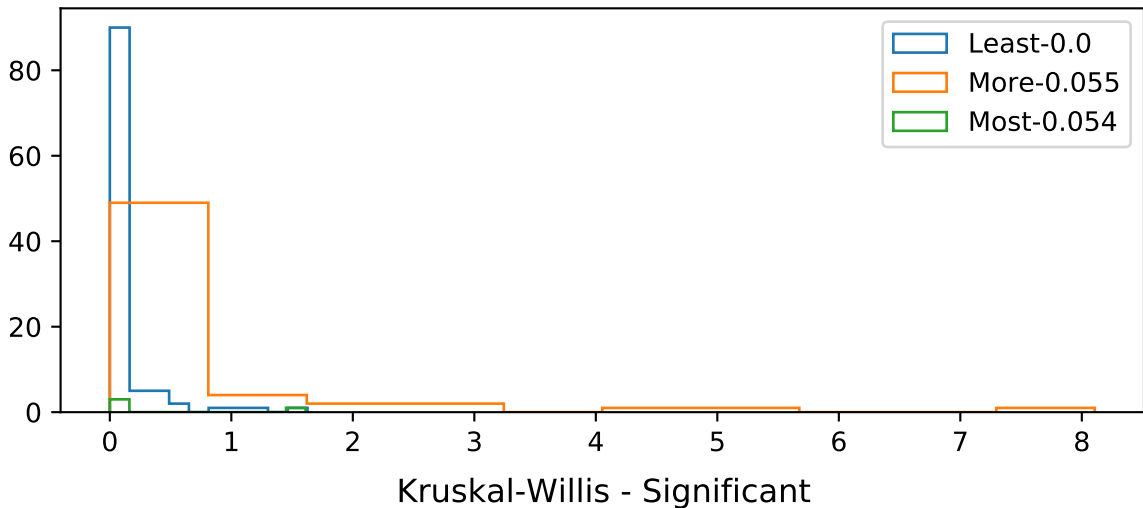
Source	ddof1	H	p-unc
Health Preparedness	2	28.67892858009677	5.921746136588679e-07

# Health Preparedness vs Deaths Peak Value(First Outbreak)



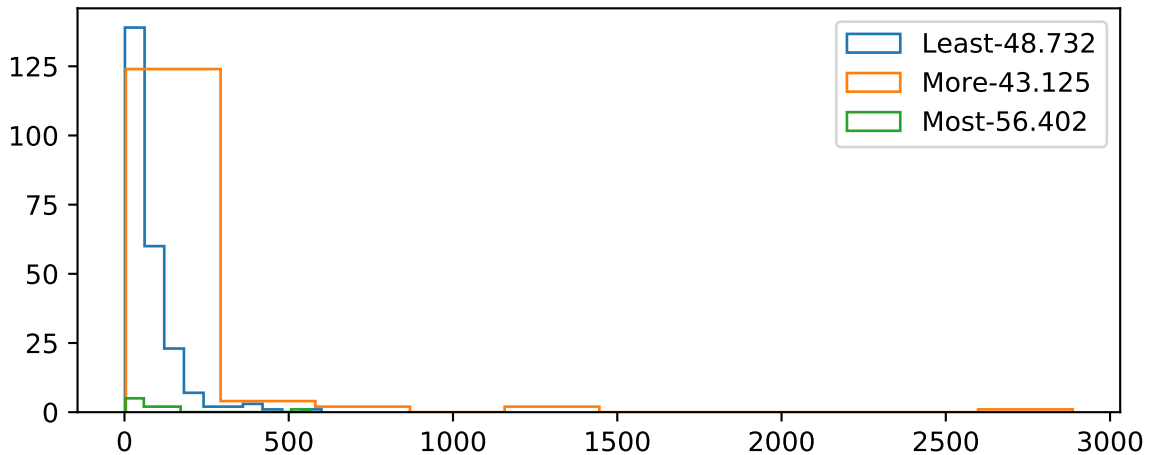
Source	ddof1	H	p-unc
Health Preparedness	2	28.58732505862497	6.199279785322321e-07

# Health Preparedness vs Deaths Valley Value(First Outbreak)



Source	ddof1	H	p-unc
Health Preparedness	2	18.164250578507737	0.0001136797481901619

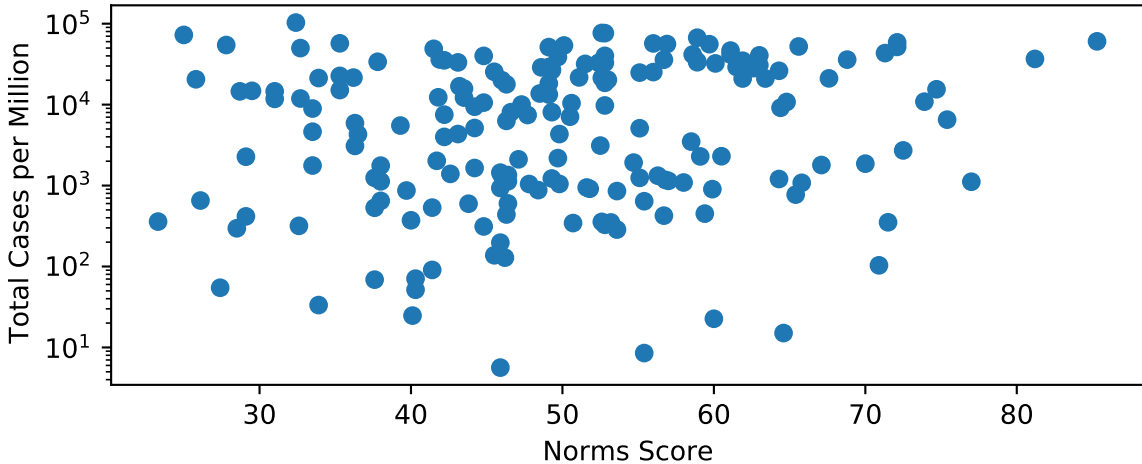
# Health Preparedness vs Case-Death Pair Peak Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	0.26364076761160504	0.8764984142508216

# Norms Score vs Total Cases per Million



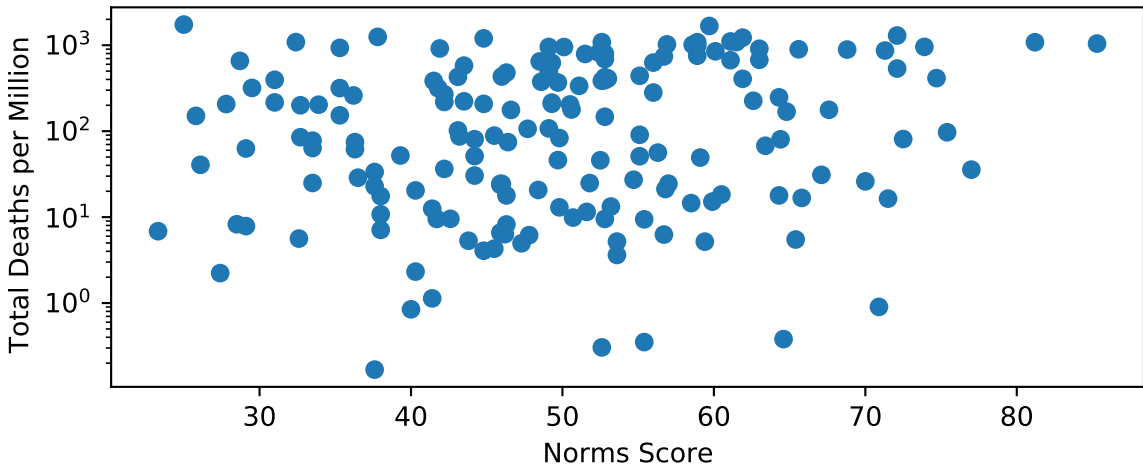
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Total Cases per Million	0.809	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.173	Weak
P-Value	0.019	Significant

# Norms Score vs Total Deaths per Million



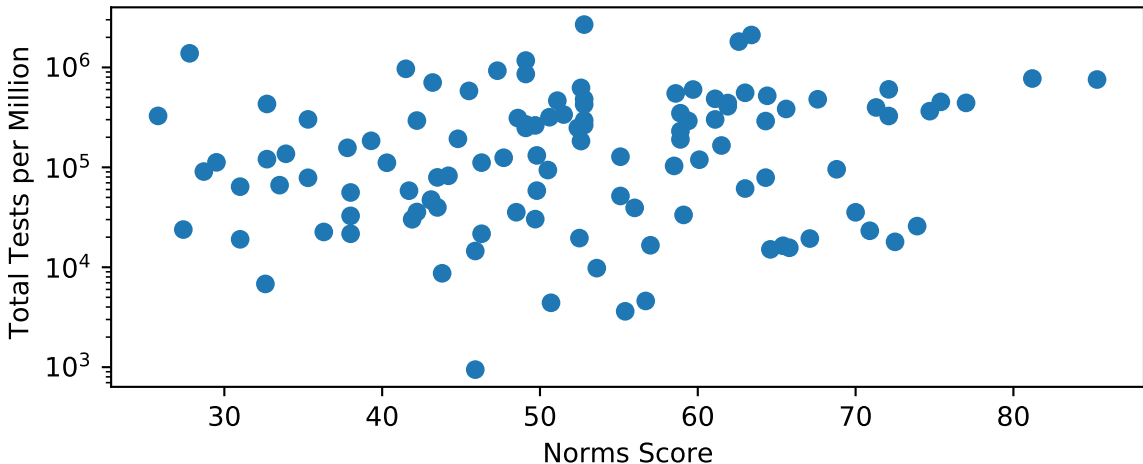
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Total Deaths per Million	0.754	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.199	Weak
P-Value	0.007	Significant

Norms Score vs Total Tests per Million



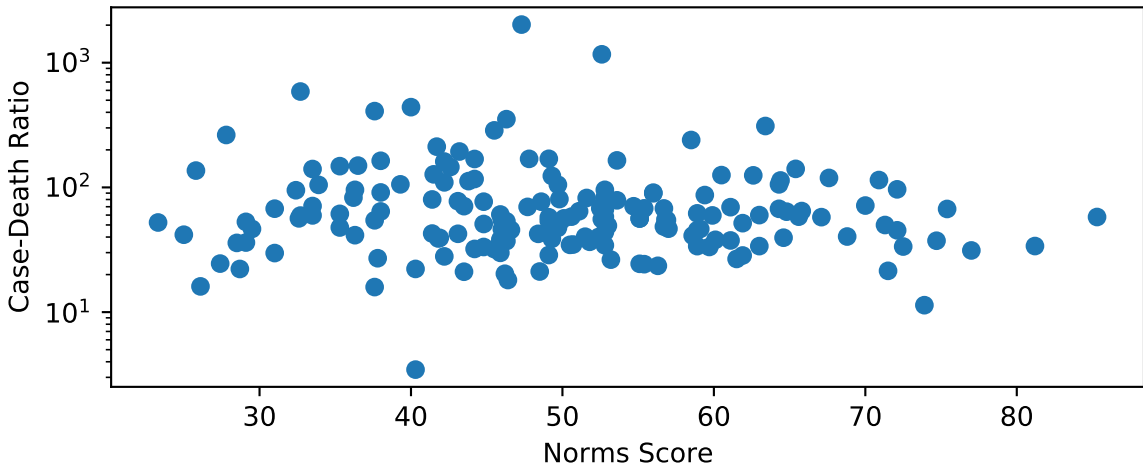
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Total Tests per Million	0.661	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.197	Weak
P-Value	0.038	Significant

# Norms Score vs Case-Death Ratio



## Shapiro-Wilk Test

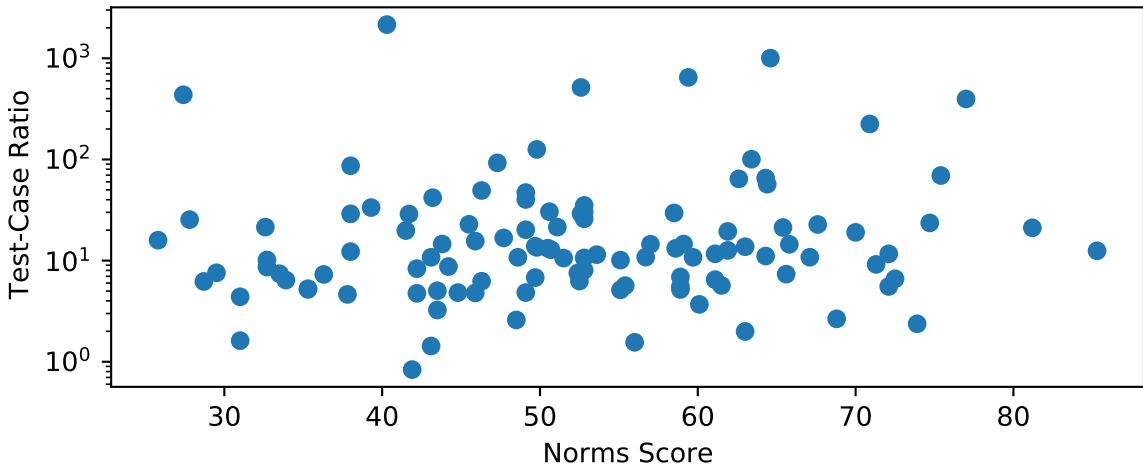
Metric	Score	P-Value
Norms Score	0.987	0.069
Case-Death Ratio	0.339	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	-0.075	Negligible
P-Value	0.328	Not Significant



Norms Score vs Test-Case Ratio



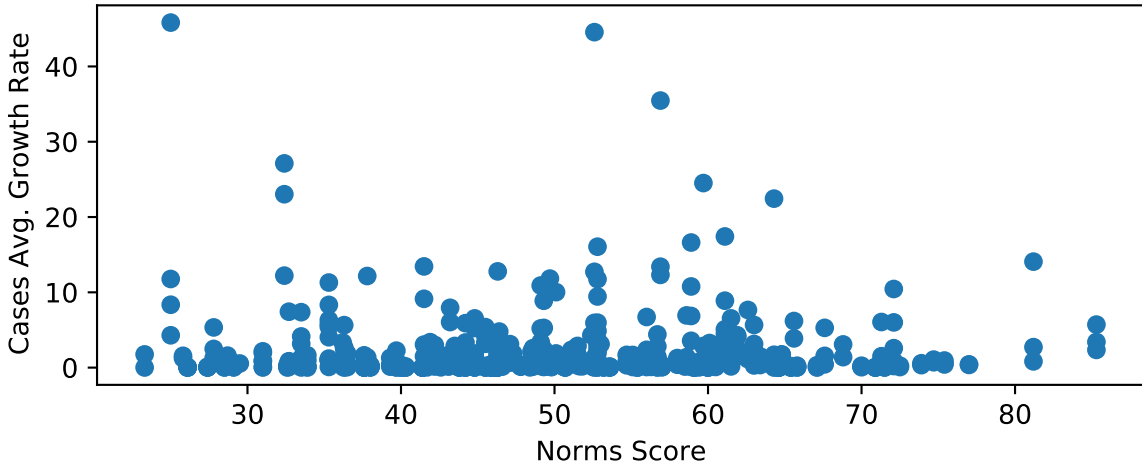
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Test-Case Ratio	0.281	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.136	Weak
P-Value	0.154	Not Significant

# Norms Score vs Cases Avg. Growth Rate



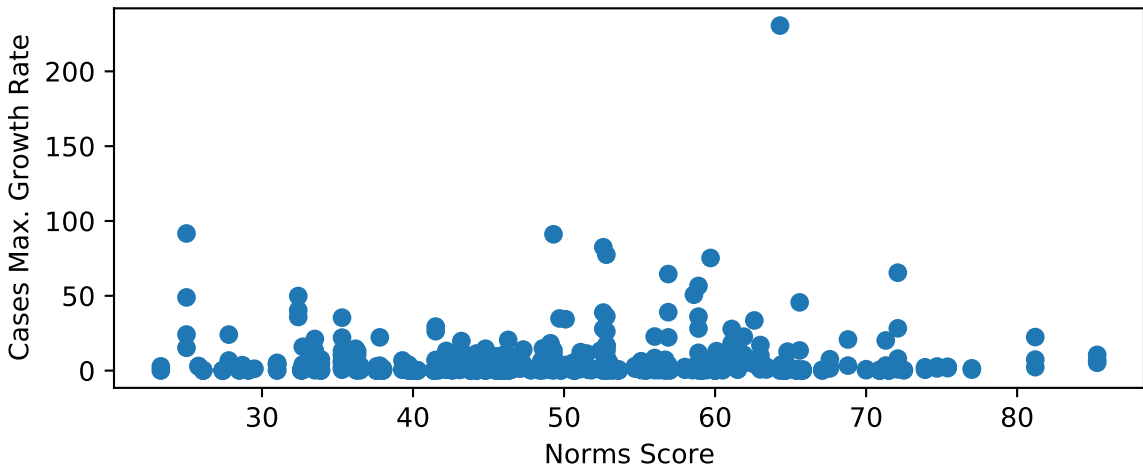
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Avg. Growth Rate	0.221	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.06	Negligible
P-Value	0.164	Not Significant

# Norms Score vs Cases Max. Growth Rate



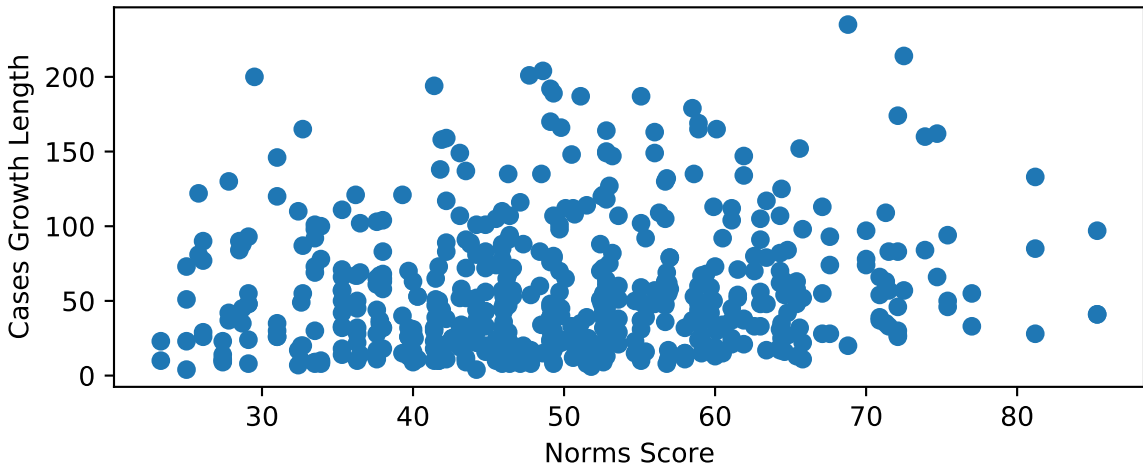
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Max. Growth Rate	0.318	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.05	Negligible
P-Value	0.246	Not Significant

# Norms Score vs Cases Growth Length

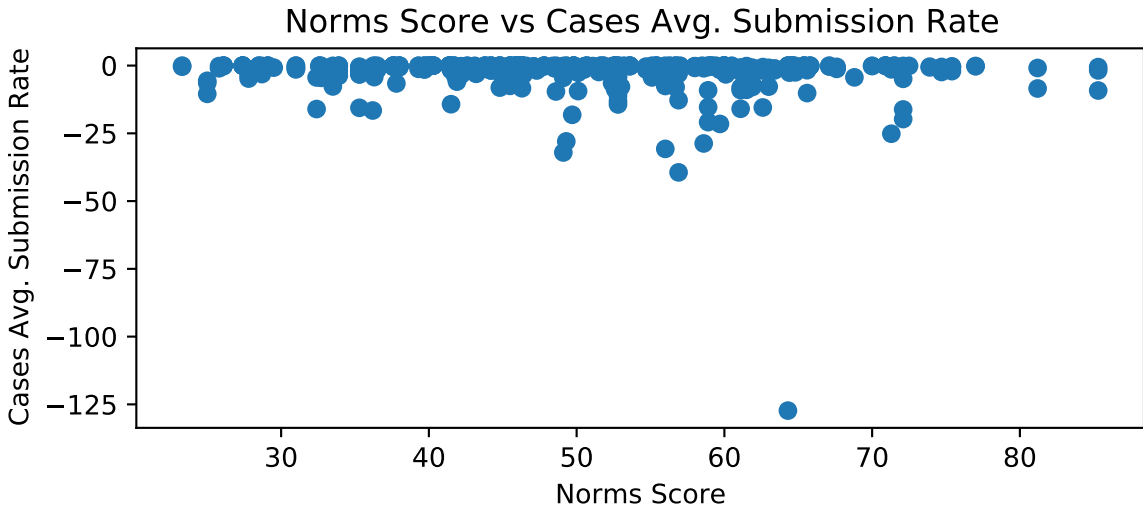


## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Growth Length	0.864	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.142	Weak
P-Value	0.001	Significant

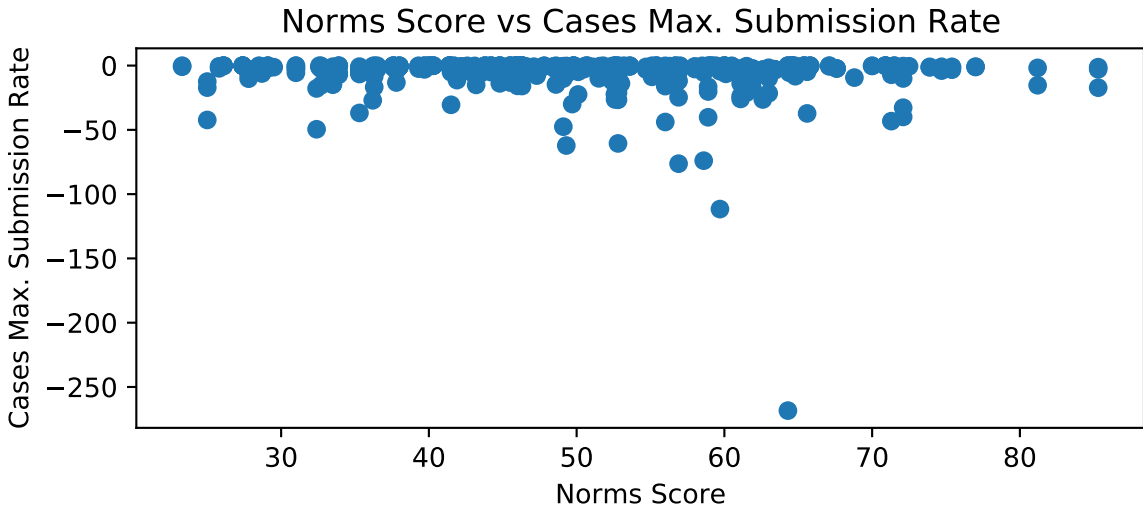


### Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Avg. Submission Rate	0.23	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.078	Negligible
P-Value	0.086	Not Significant



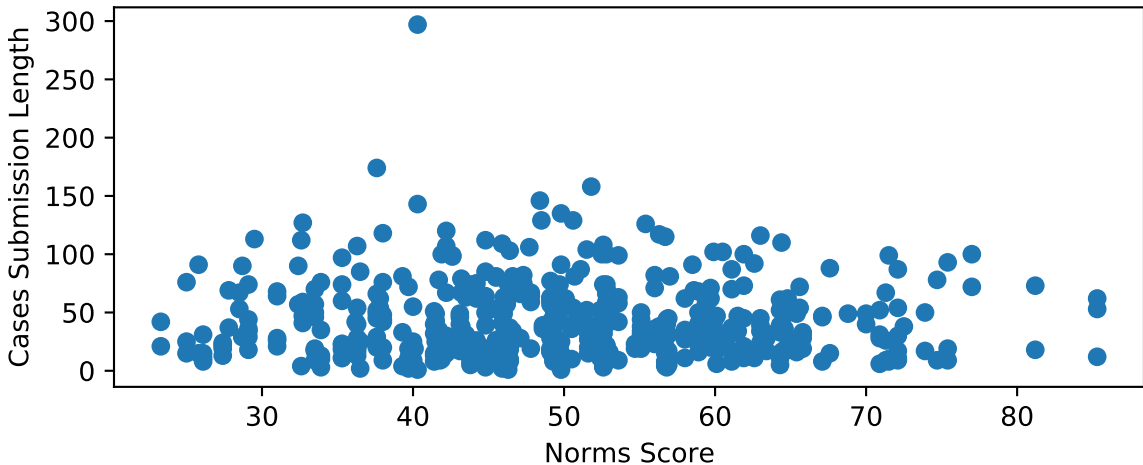
### Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Max. Submission Rate	0.274	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.057	Negligible
P-Value	0.21	Not Significant

# Norms Score vs Cases Submission Length



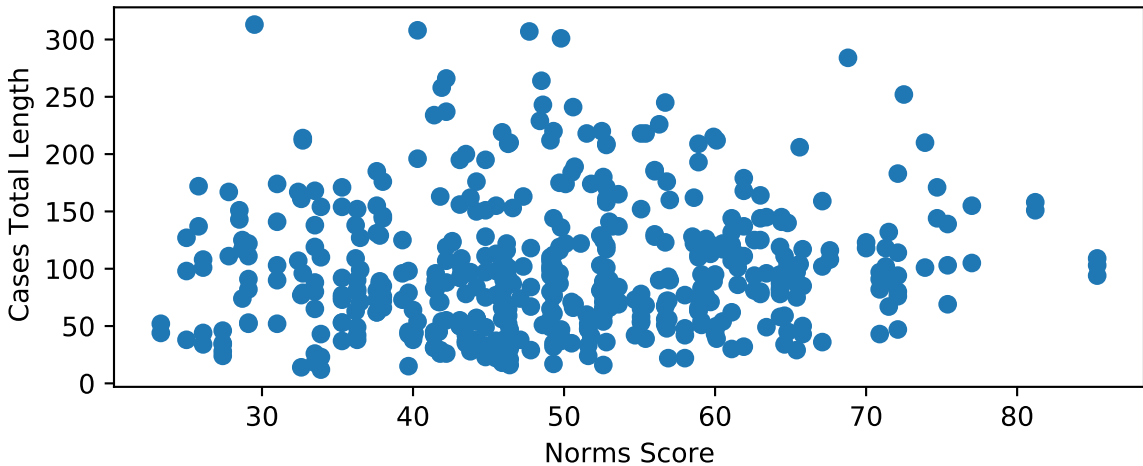
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Submission Length	0.855	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.017	Negligible
P-Value	0.706	Not Significant

# Norms Score vs Cases Total Length



## Shapiro-Wilk Test

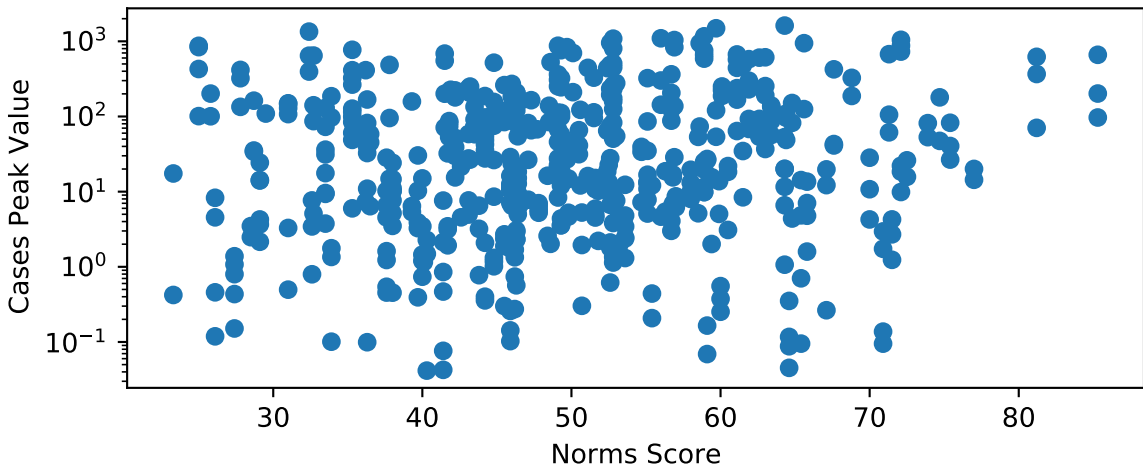
Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Total Length	0.918	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.125	Weak
P-Value	0.006	Significant



# Norms Score vs Cases Peak Value



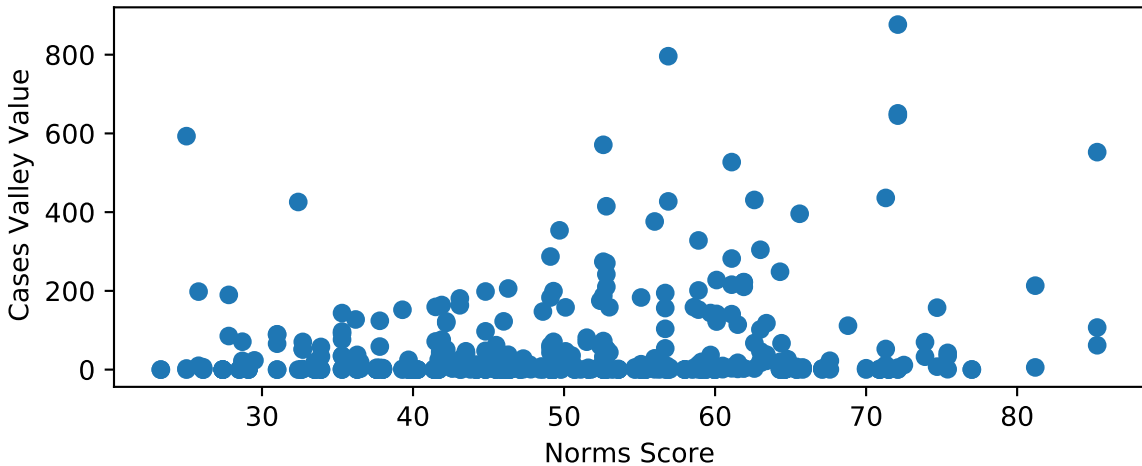
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Peak Value	0.554	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.107	Weak
P-Value	0.014	Significant

# Norms Score vs Cases Valley Value



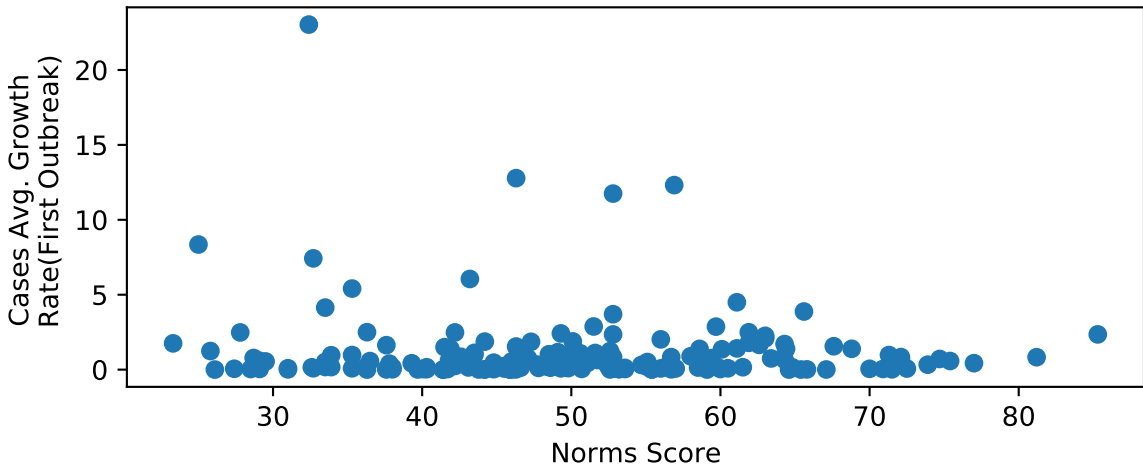
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Valley Value	0.478	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.156	Weak
P-Value	0.001	Significant

Norms Score vs Cases Avg. Growth Rate(First Outbreak)



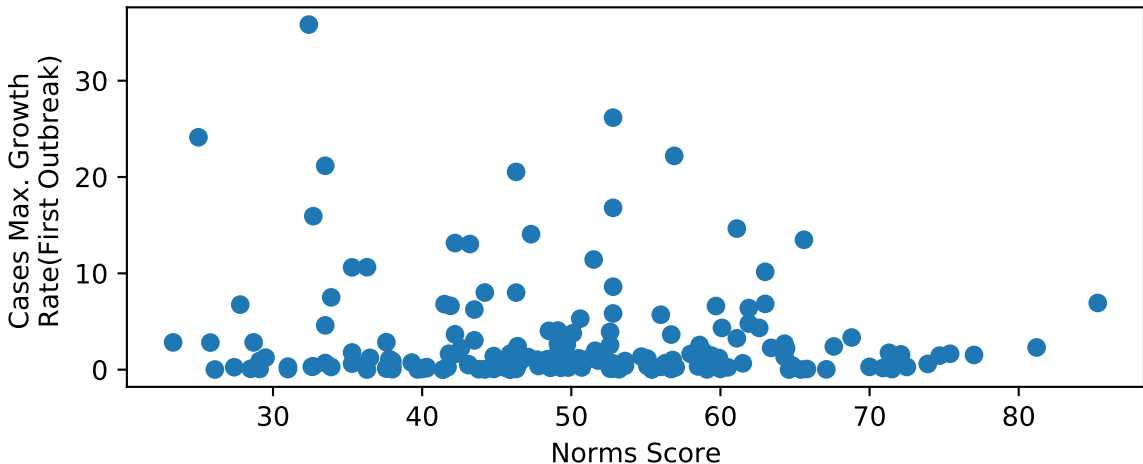
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Avg. Growth Rate(First Outbreak)	0.28	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.087	Negligible
P-Value	0.244	Not Significant

Norms Score vs Cases Max. Growth Rate(First Outbreak)



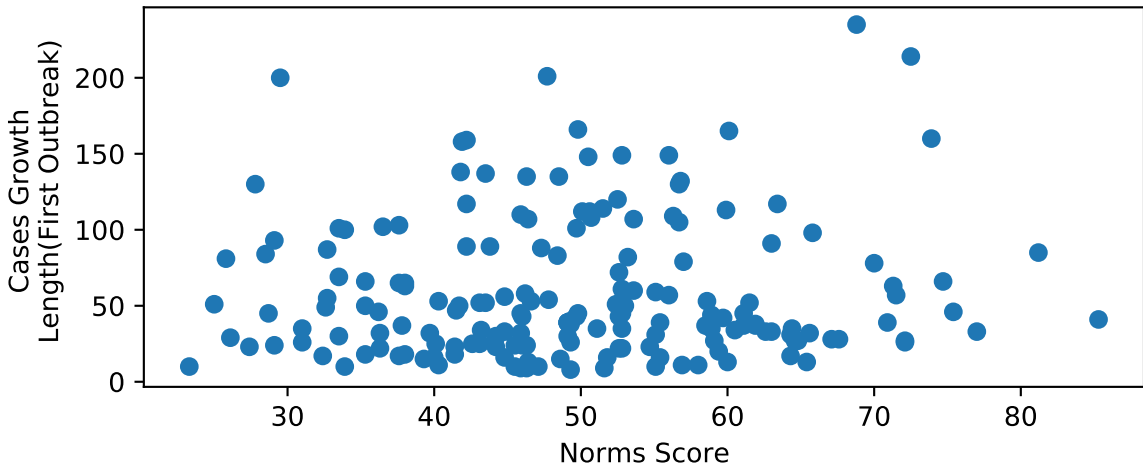
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Max. Growth Rate(First Outbreak)	0.366	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.065	Negligible
P-Value	0.382	Not Significant

Norms Score vs Cases Growth Length(First Outbreak)



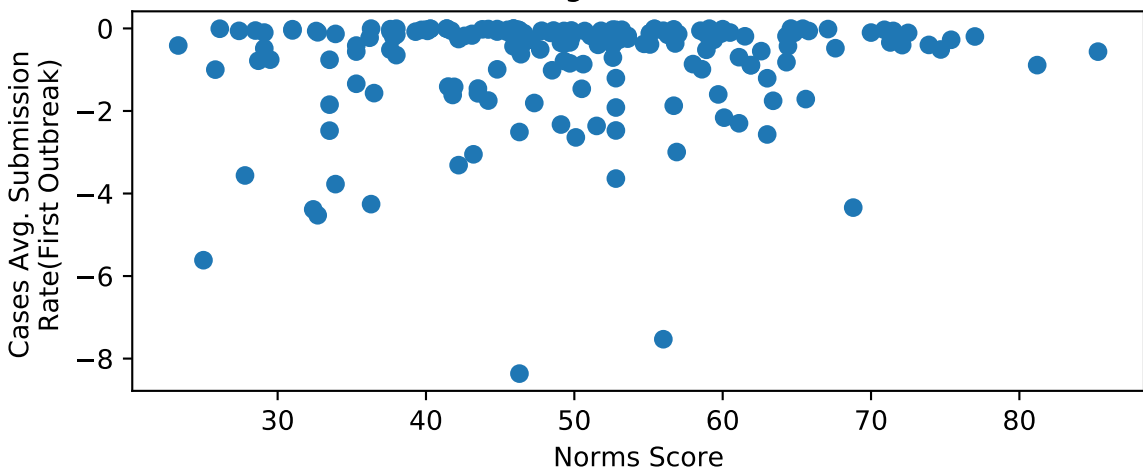
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Growth Length(First Outbreak)	0.836	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.052	Negligible
P-Value	0.486	Not Significant

Norms Score vs Cases Avg. Submission Rate(First Outbreak)



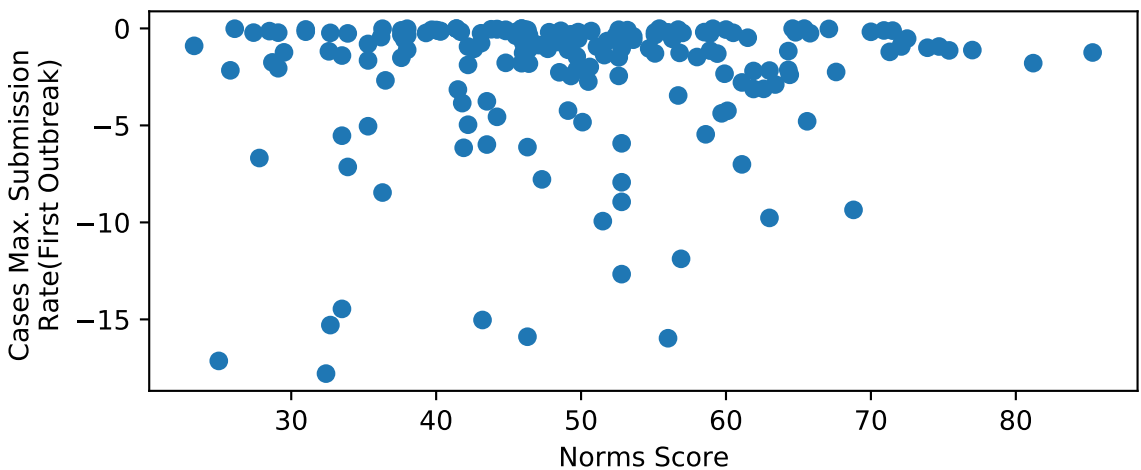
Shapiro-Wilk Test

Test	Statistic	P-Value
Shapiro-Wilk	0.987	0.999
Case Avg. Submission Rate(First Outbreak)	0.989	0.999

Spearman Correlation Test

Output	Results	Outcome
Score	-0.029	Negligible
P-Value	0.696	Not Significant

Norms Score vs Cases Max. Submission Rate(First Outbreak)



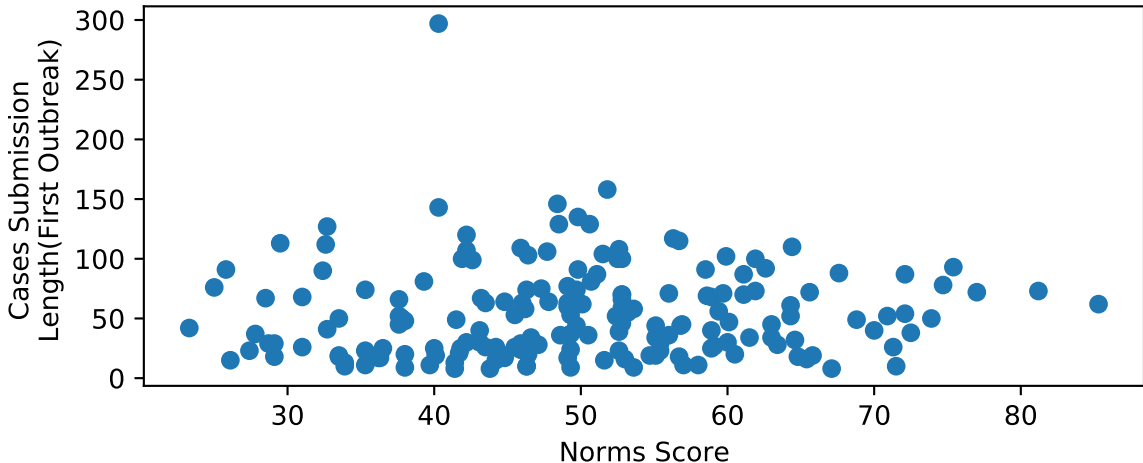
Shapiro-Wilk Test

Output	Results	Outcome
Score	-0.036	Negligible
P-Value	0.634	Not Significant

Spearman Correlation Test

Output	Results	Outcome
Score	-0.036	Negligible
P-Value	0.634	Not Significant

Norms Score vs Cases Submission Length(First Outbreak)



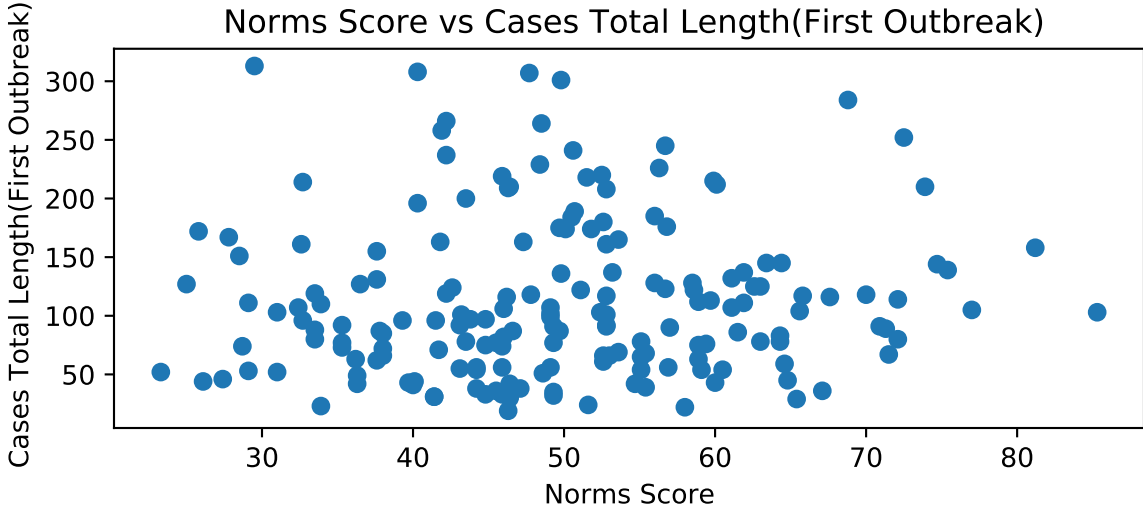
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Submission Length(First Outbreak)	0.852	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.13	Weak
P-Value	0.081	Not Significant



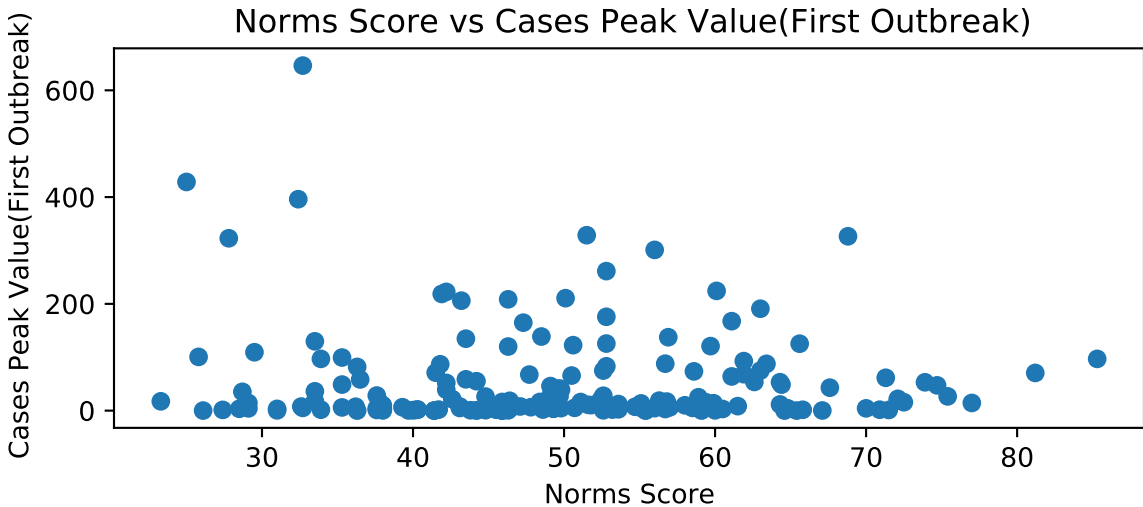


### Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Total Length(First Outbreak)	0.903	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	0.118	Weak
P-Value	0.113	Not Significant



### Shapiro-Wilk Test

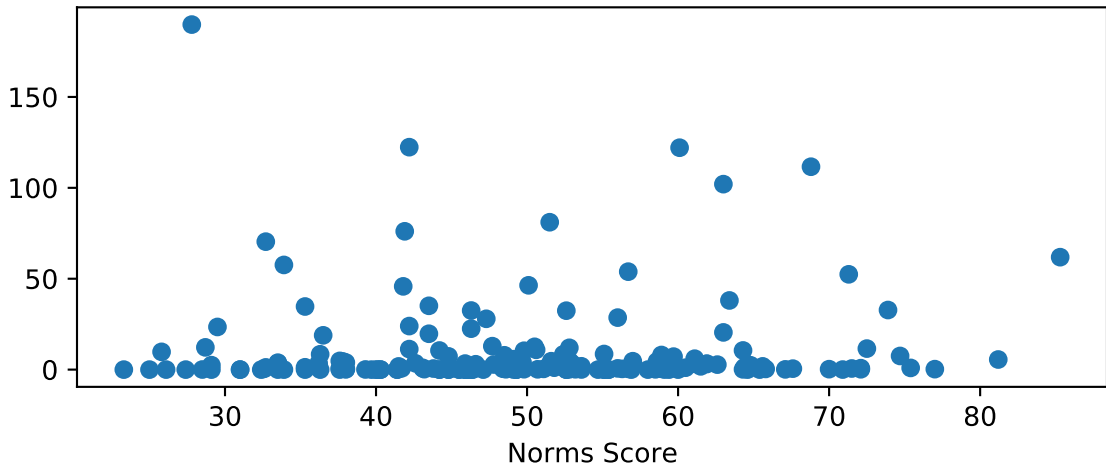
Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Peak Value(First Outbreak)	0.592	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	0.096	Negligible
P-Value	0.197	Not Significant

Cases Valley Value(First Outbreak)

Norms Score vs Cases Valley Value(First Outbreak)



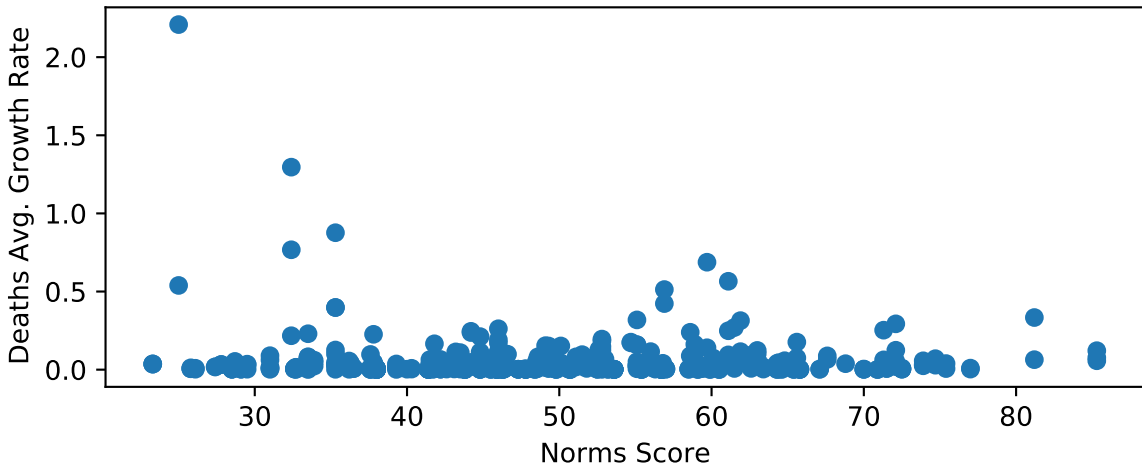
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Cases Valley Value(First Outbreak)	0.445	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.136	Weak
P-Value	0.067	Not Significant

# Norms Score vs Deaths Avg. Growth Rate



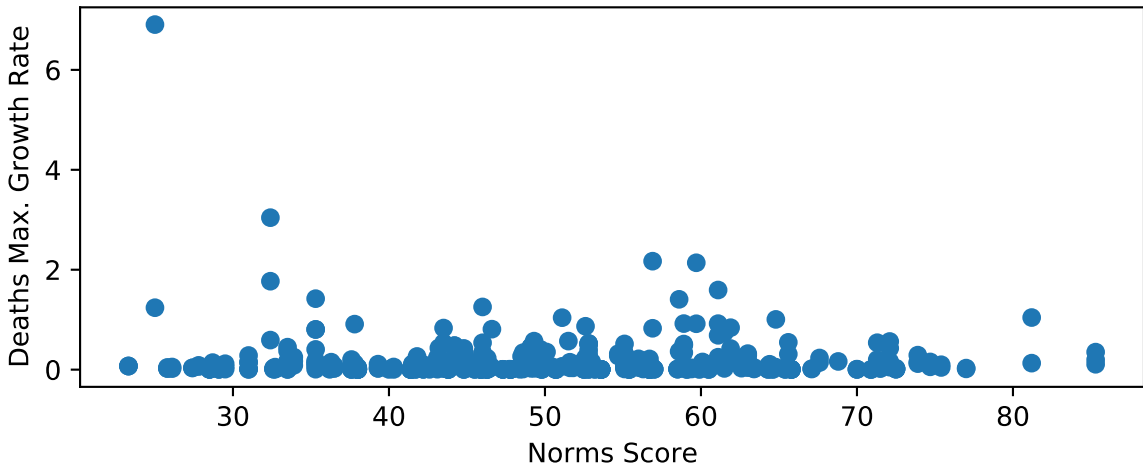
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Avg. Growth Rate	0.339	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.038	Negligible
P-Value	0.422	Not Significant

# Norms Score vs Deaths Max. Growth Rate



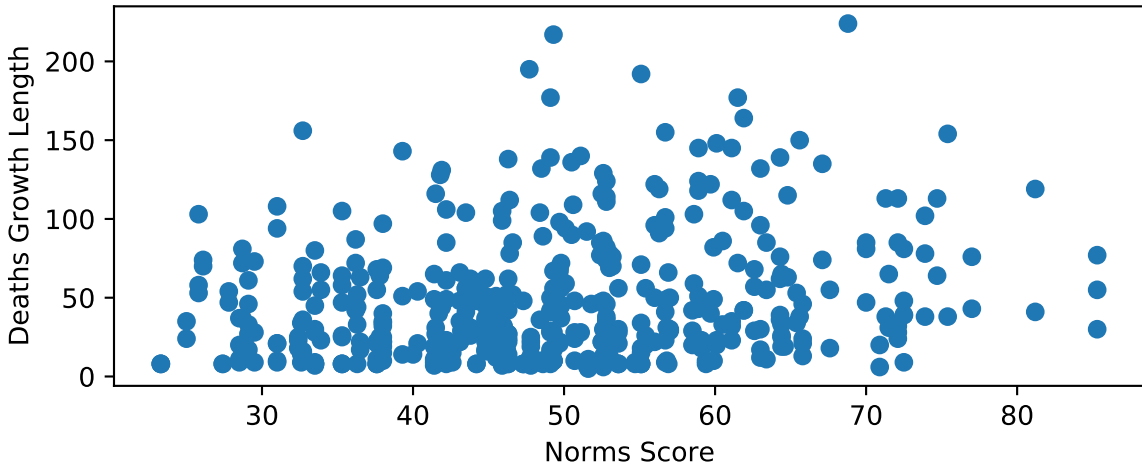
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Max. Growth Rate	0.385	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.045	Negligible
P-Value	0.331	Not Significant

# Norms Score vs Deaths Growth Length

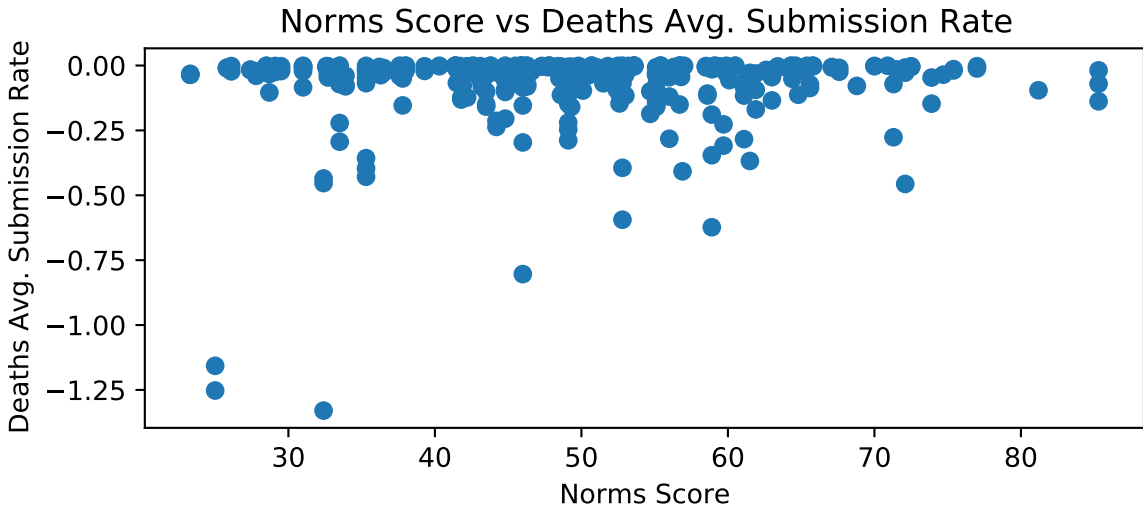


## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Growth Length	0.841	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.223	Moderate
P-Value	0.0	Significant

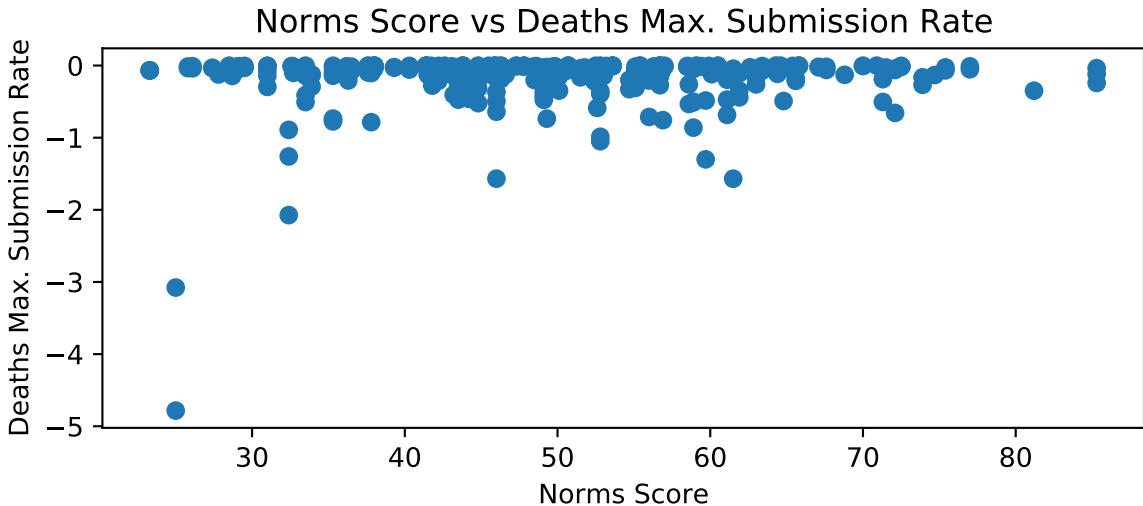


Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Avg. Submission Rate	0.402	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.009	Negligible
P-Value	0.857	Not Significant



## Shapiro-Wilk Test

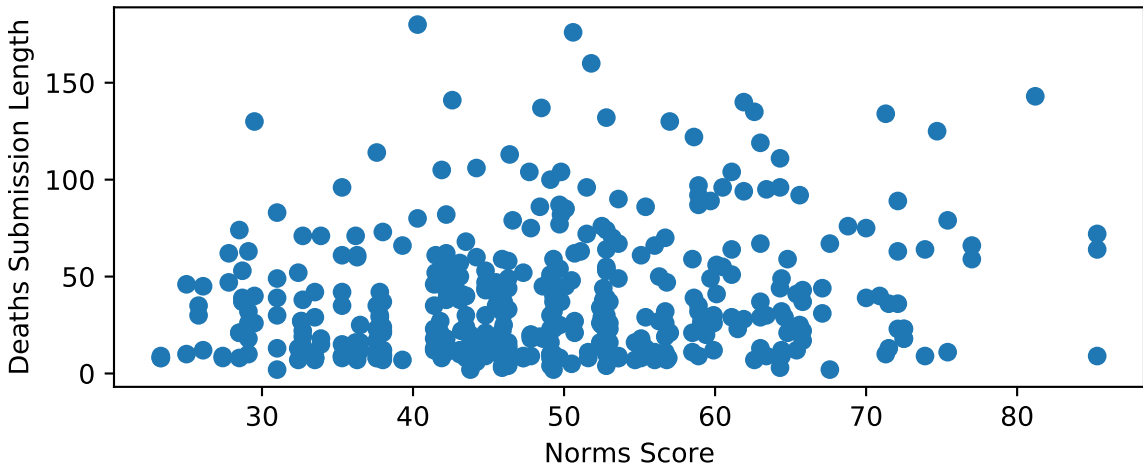
Metric	Score	P-Value
Norms Score	0.987	0.049
Deaths Max. Submission Rate	0.396	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	-0.006	Negligible
P-Value	0.899	Not Significant



Norms Score vs Deaths Submission Length



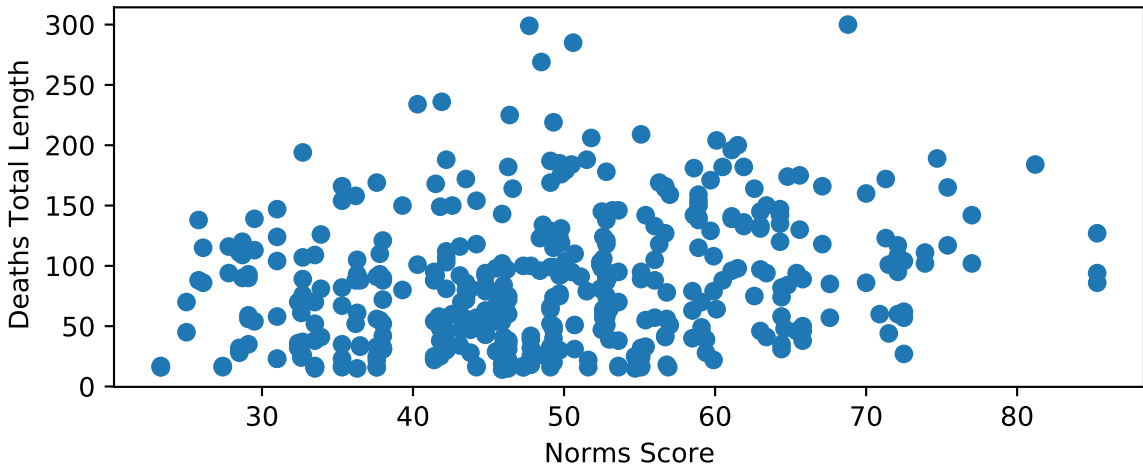
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Submission Length	0.837	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.19	Weak
P-Value	0.0	Significant

# Norms Score vs Deaths Total Length



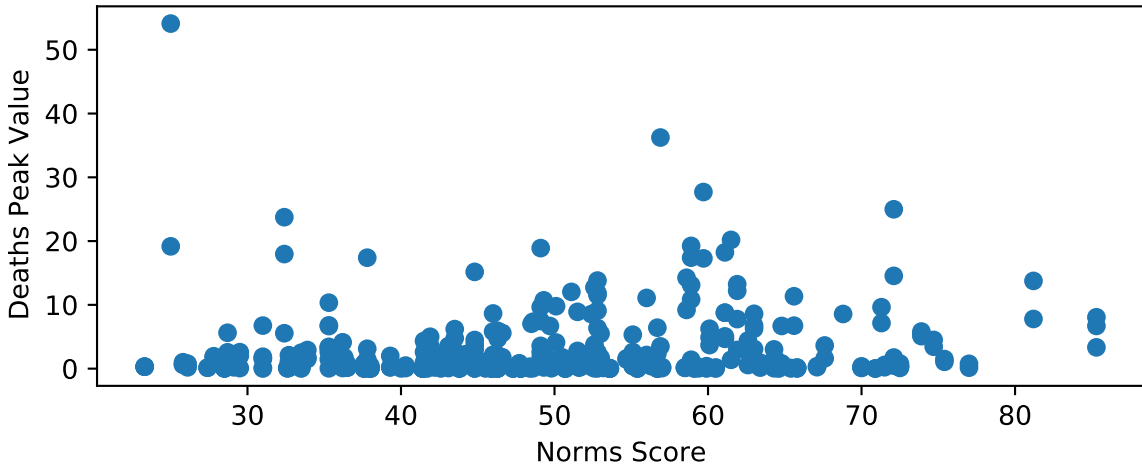
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Total Length	0.918	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.285	Moderate
P-Value	0.0	Significant

# Norms Score vs Deaths Peak Value



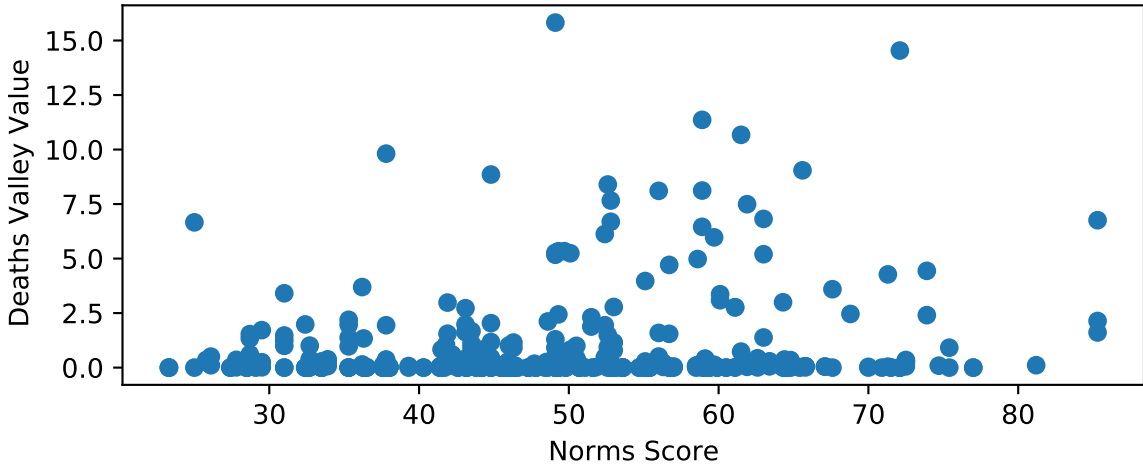
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Peak Value	0.57	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.121	Weak
P-Value	0.009	Significant

# Norms Score vs Deaths Valley Value



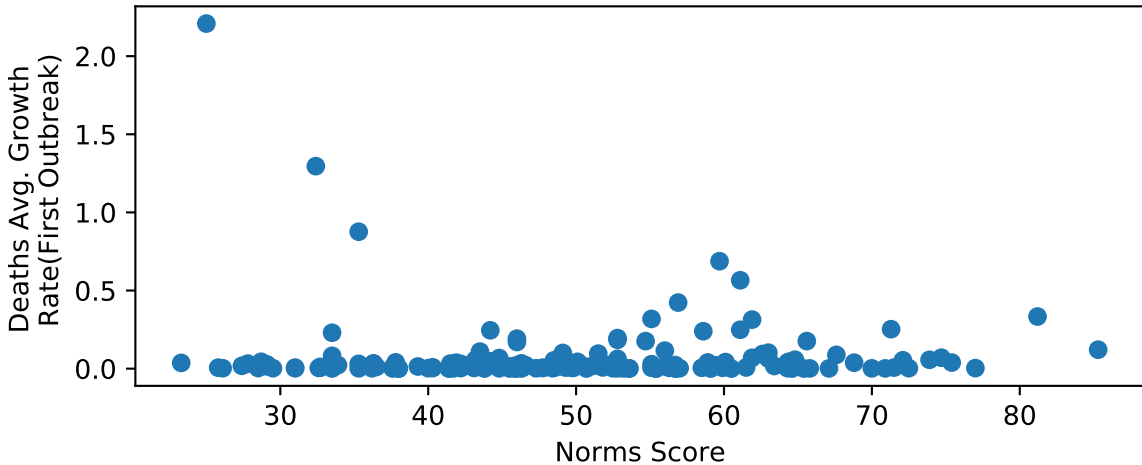
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Valley Value	0.464	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.111	Weak
P-Value	0.023	Significant

# Norms Score vs Deaths Avg. Growth Rate(First Outbreak)



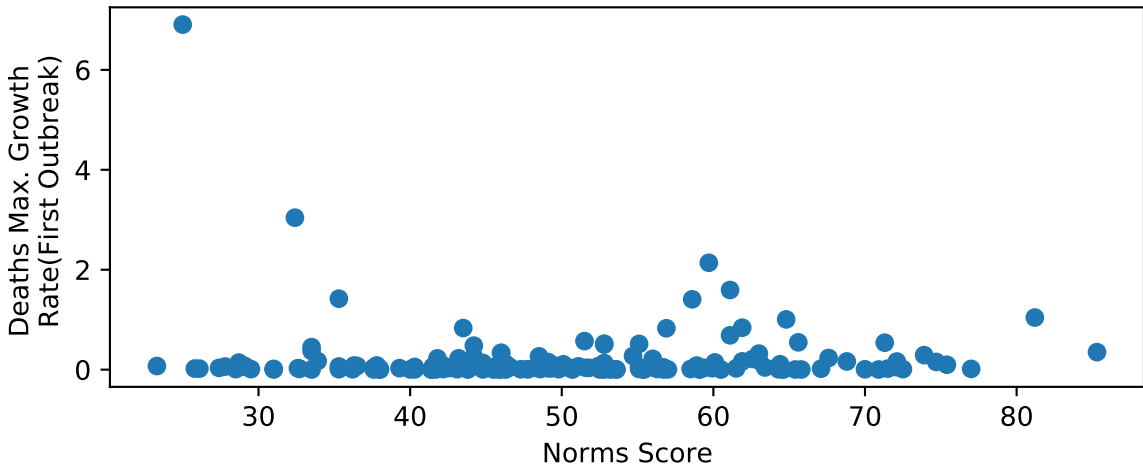
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Avg. Growth Rate(First Outbreak)	0.359	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.119	Weak
P-Value	0.121	Not Significant

Norms Score vs Deaths Max. Growth Rate(First Outbreak)



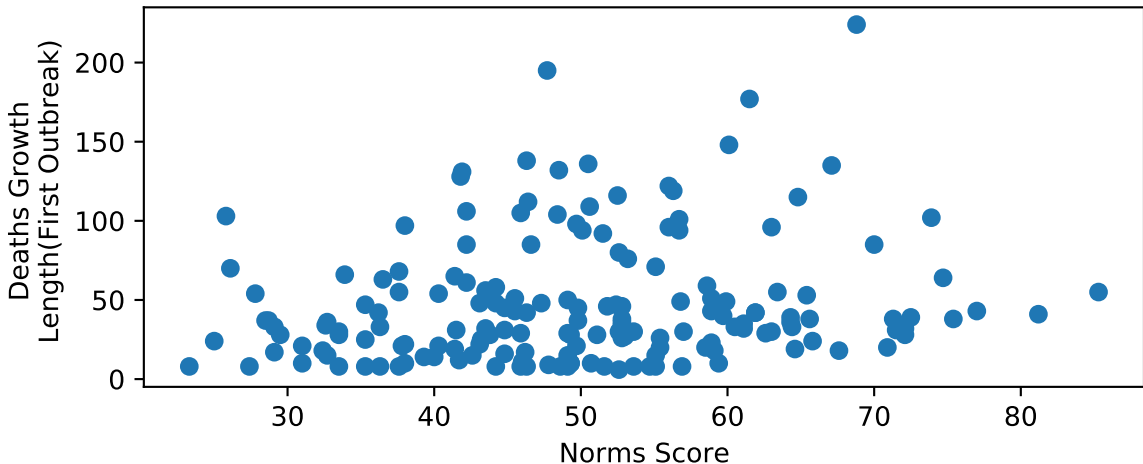
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Max. Growth Rate(First Outbreak)	0.379	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.106	Weak
P-Value	0.167	Not Significant

Norms Score vs Deaths Growth Length(First Outbreak)



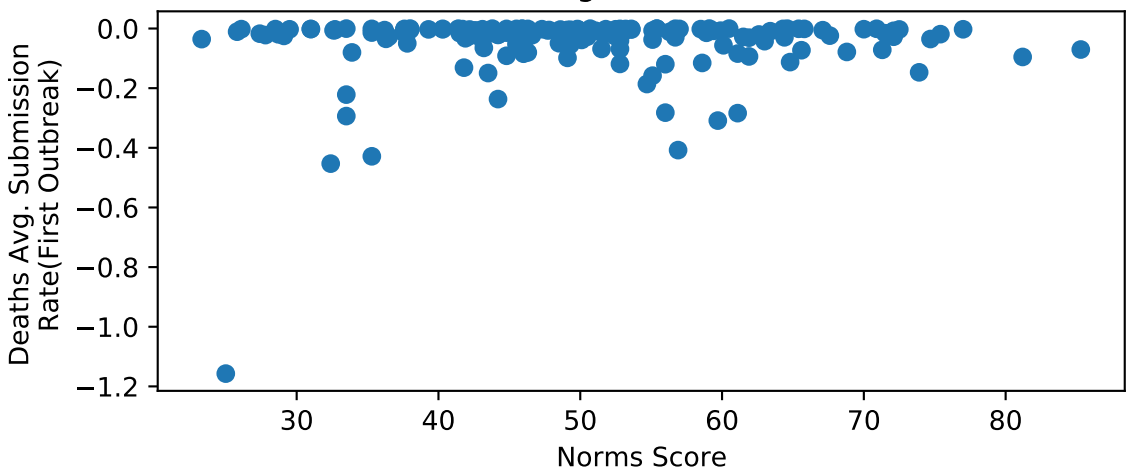
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Growth Length(First Outbreak)	0.819	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.184	Weak
P-Value	0.016	Significant

Norms Score vs Deaths Avg. Submission Rate(First Outbreak)



Shapiro-Wilk Test

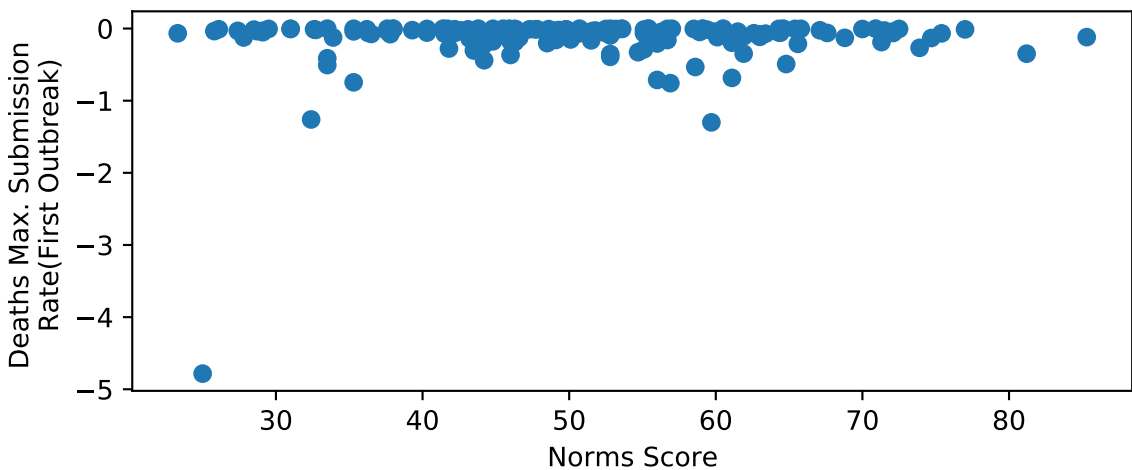
Null	Stat	P-Value
Normal Data	0.981	0.981
Deaths Avg. Submission Rate(First Outbreak)	0.294	0.3

Spearman Correlation Test

Output	Results	Outcome
Score	-0.077	Negligible
P-Value	0.317	Not Significant



Norms Score vs Deaths Max. Submission Rate(First Outbreak)



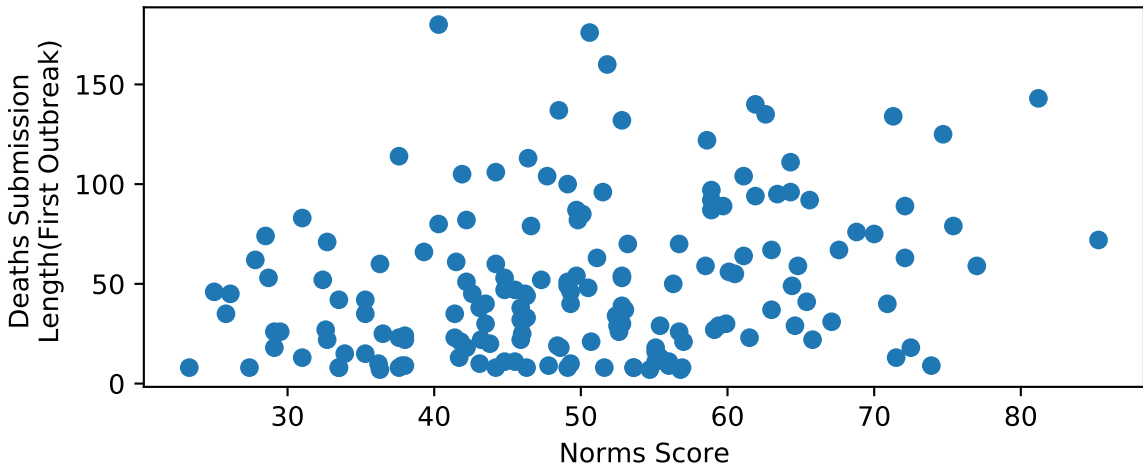
Shapiro-Wilk Test

Test	Statistic	P-Value
Shapiro-Wilk	0.981	0.999
Deaths(First Outbreak) Normality Test Result	0.981	0.999

Spearman Correlation Test

Output	Results	Outcome
Score	-0.093	Negligible
P-Value	0.229	Not Significant

Norms Score vs Deaths Submission Length(First Outbreak)



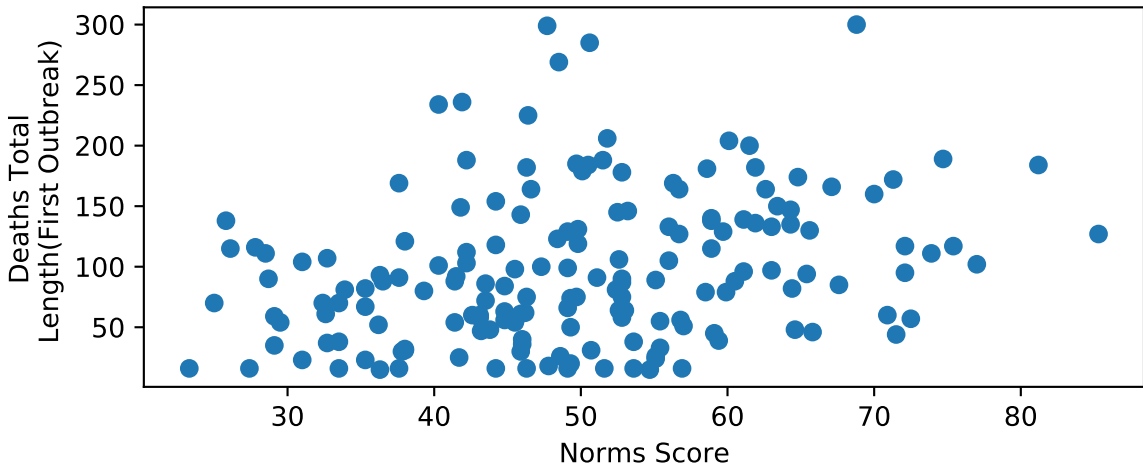
Shapiro-Wilk Test

W	Statistic	P-Value
Shapiro-Wilk Test	0.987	0.999
Deaths Submission Length(First Outbreak)	0.989	0.9

Spearman Correlation Test

Output	Results	Outcome
Score	0.268	Moderate
P-Value	0.0	Significant

Norms Score vs Deaths Total Length(First Outbreak)

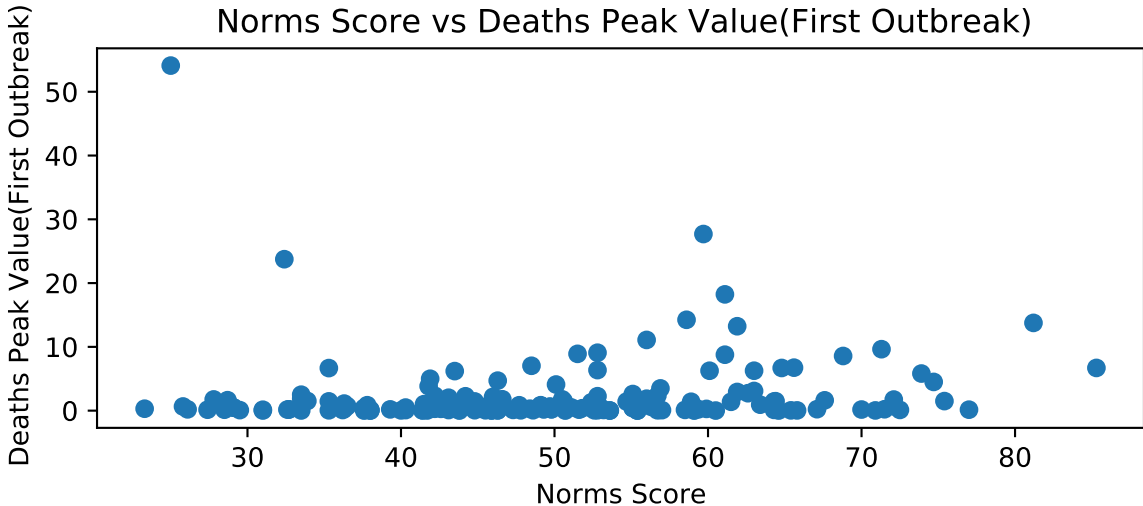


Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Total Length(First Outbreak)	0.926	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.294	Moderate
P-Value	0.0	Significant



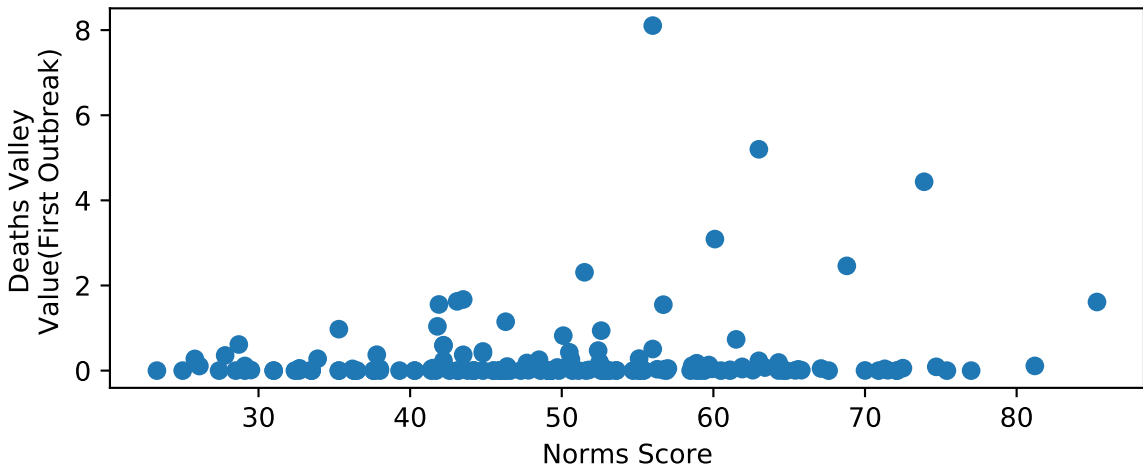
Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Peak Value(First Outbreak)	0.492	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.181	Weak
P-Value	0.018	Significant

# Norms Score vs Deaths Valley Value(First Outbreak)



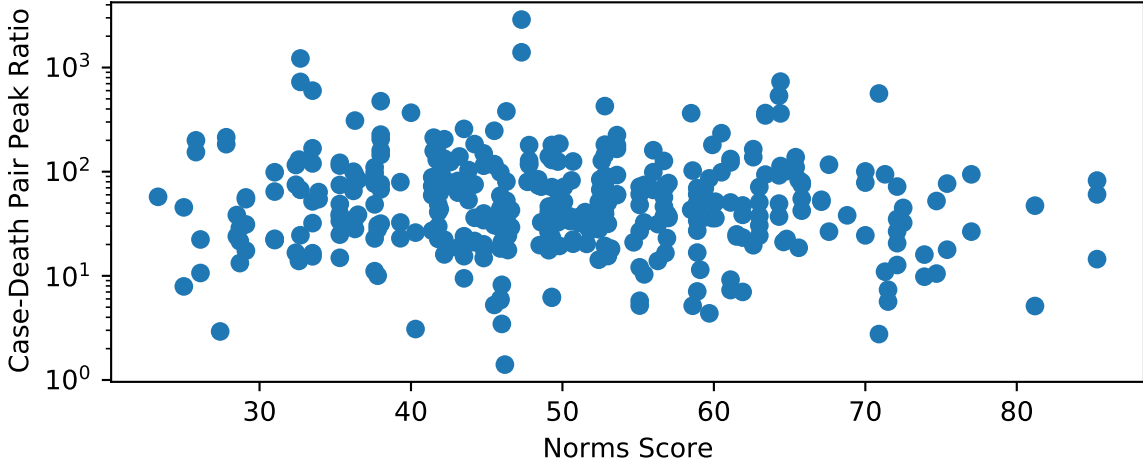
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Deaths Valley Value(First Outbreak)	0.339	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.129	Weak
P-Value	0.094	Not Significant

# Norms Score vs Case-Death Pair Peak Ratio



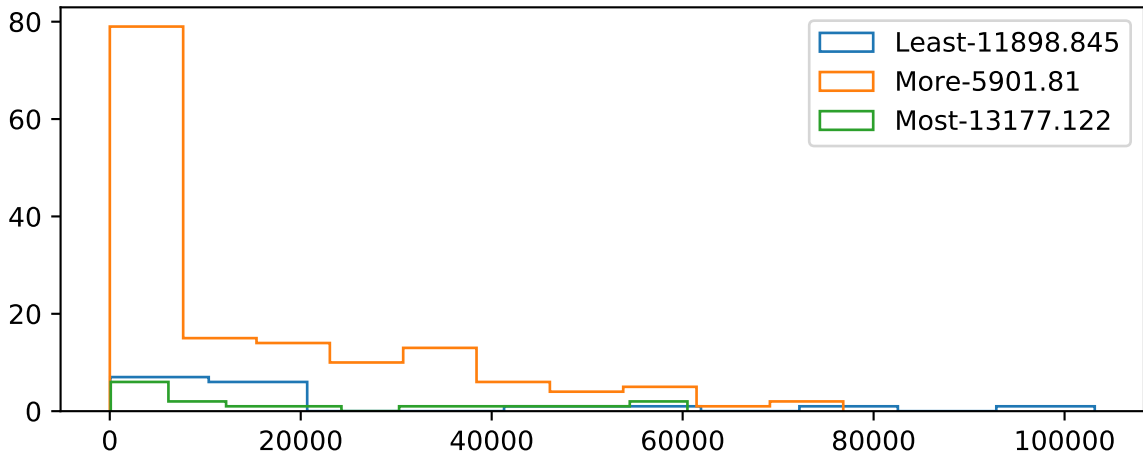
## Shapiro-Wilk Test

Metric	Score	P-Value
Norms Score	0.987	0.069
Case-Death Pair Peak Ratio	0.324	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	-0.054	Negligible
P-Value	0.29	Not Significant

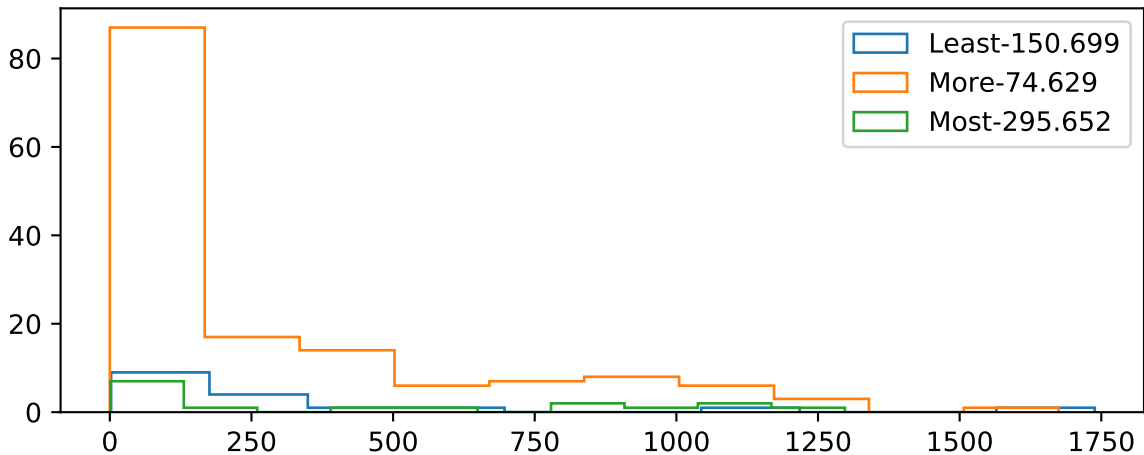
# Norms Preparedness vs Total Cases per Million



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	1.730135771142841	0.42102297027224933

# Norms Preparedness vs Total Deaths per Million

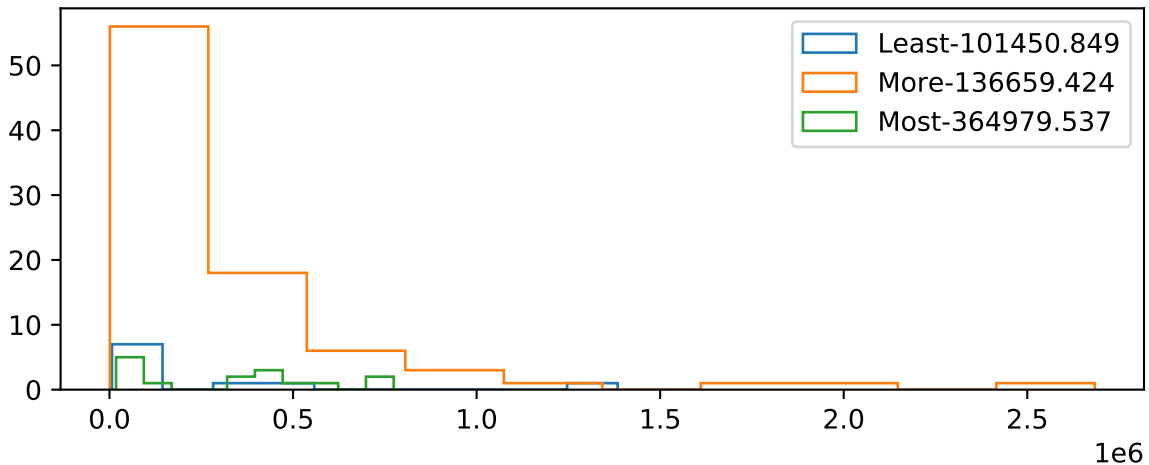


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	3.8575486017087512	0.14532621558190983



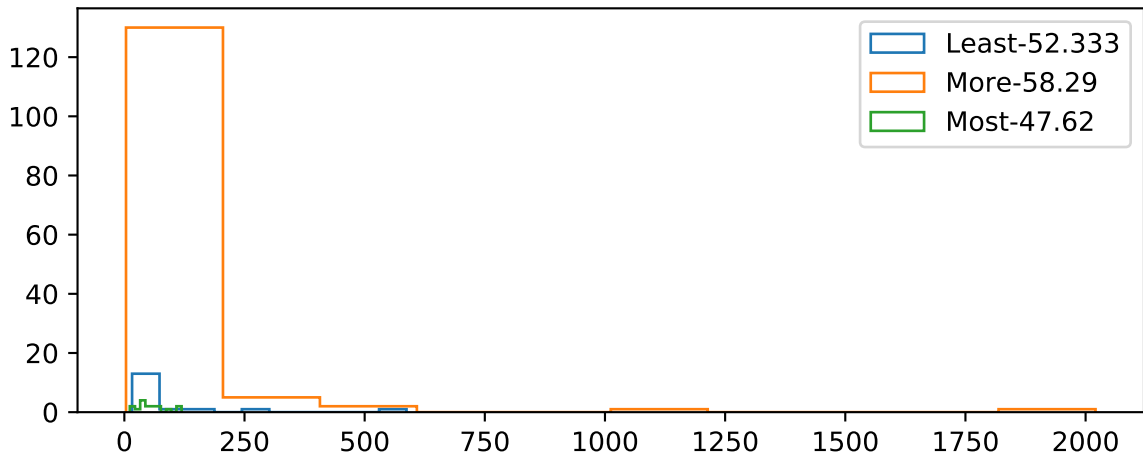
## Norms Preparedness vs Total Tests per Million



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	1.2868924103055974	0.5254783937299208

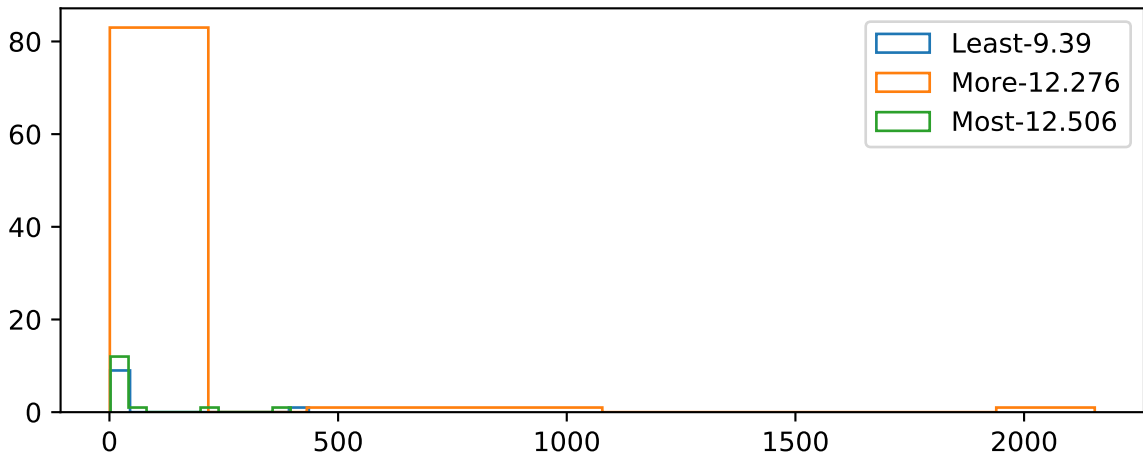
# Norms Preparedness vs Case-Death Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	2.8969788956953835	0.23492488649961193

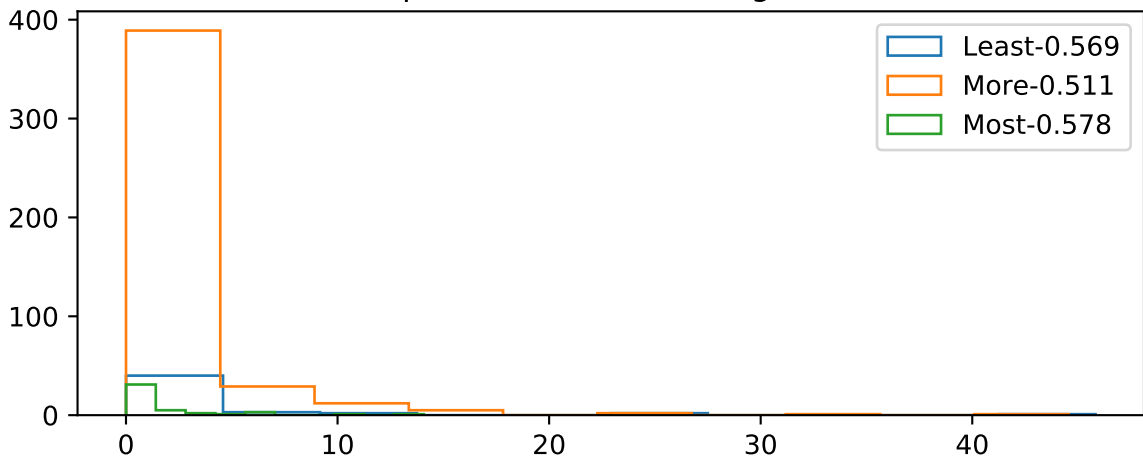
# Norms Preparedness vs Test-Case Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	0.5068496883037596	0.7761380740484355

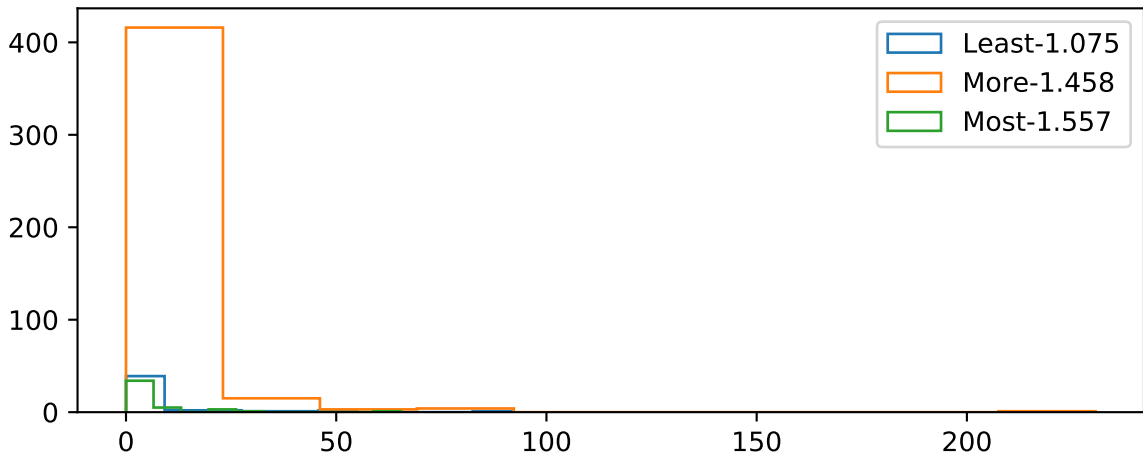
# Norms Preparedness vs Cases Avg. Growth Rate



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	0.1596960248475625	0.9232566592653281

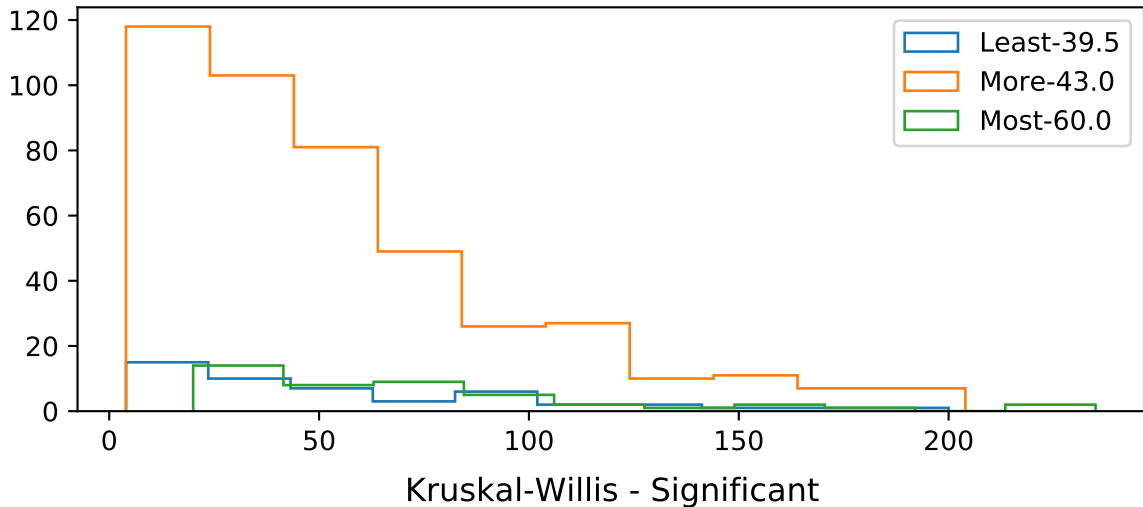
# Norms Preparedness vs Cases Max. Growth Rate



Kruskal-Willis - Not Significant

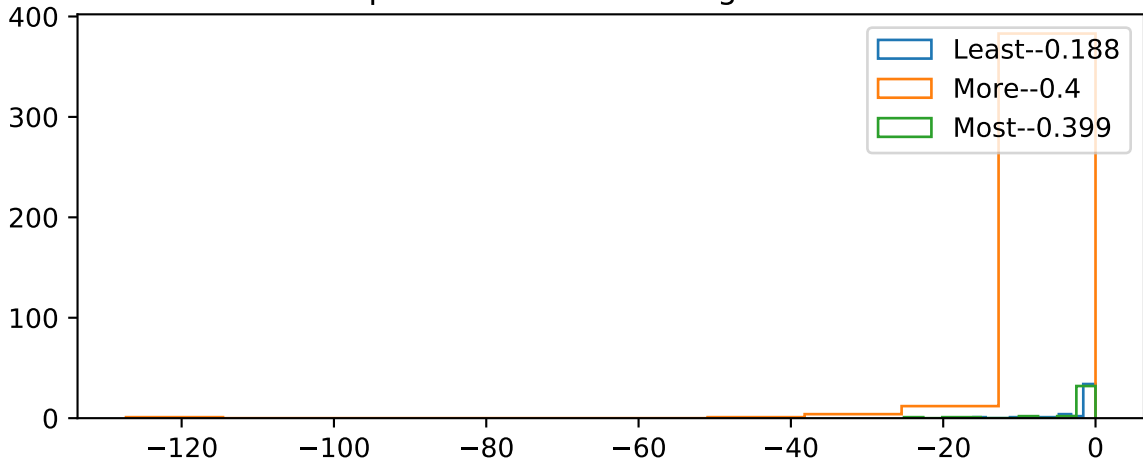
Source	ddof1	H	p-unc
x	2	0.28201757094620916	0.8684816816416953

# Norms Preparedness vs Cases Growth Length



Source	ddof1	H	p-unc
x	2	10.851164589930766	0.0044025018606224965

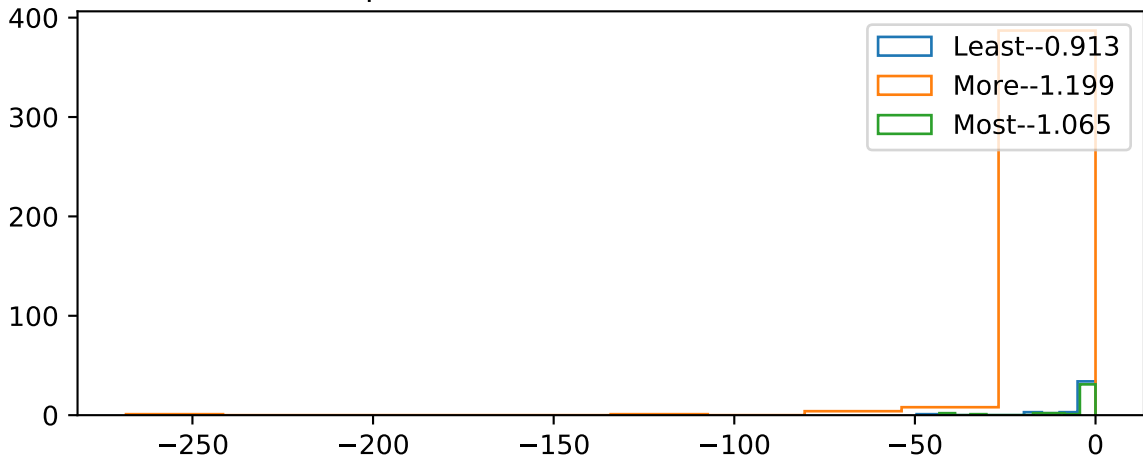
# Norms Preparedness vs Cases Avg. Submission Rate



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	1.5025903842461614	0.4717551433344924

# Norms Preparedness vs Cases Max. Submission Rate

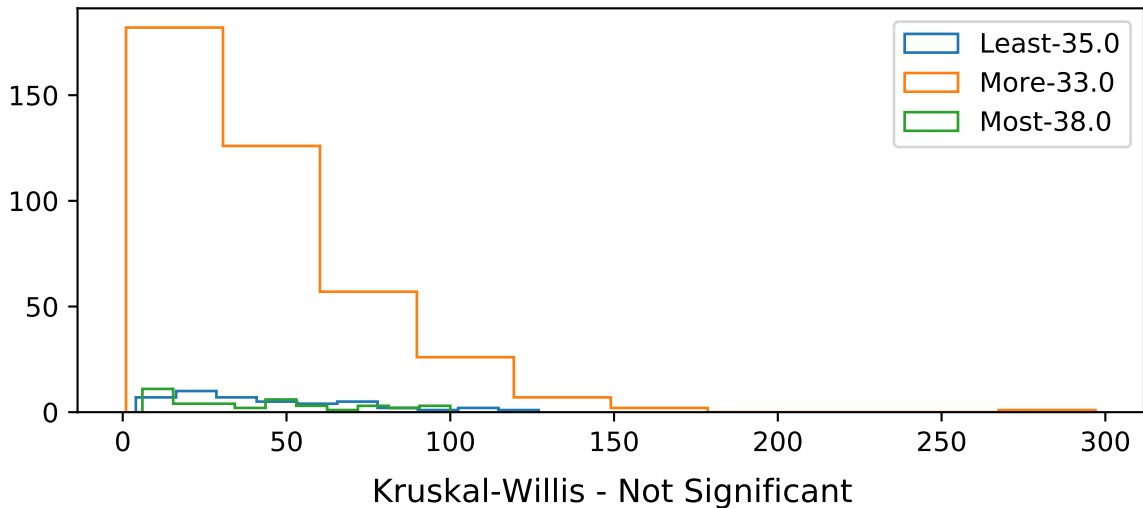


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	1.3090735975041419	0.519682724531819



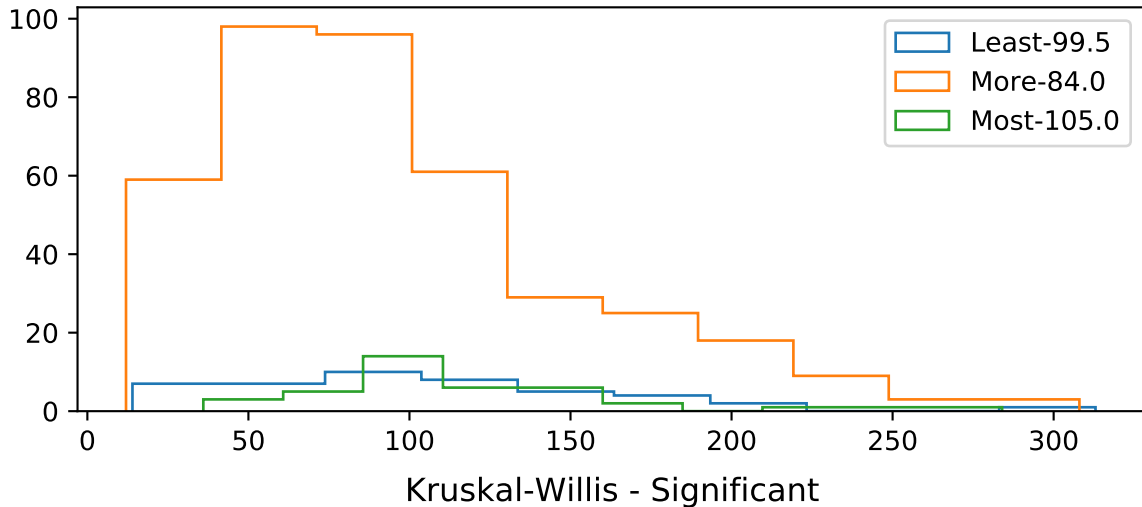
# Norms Preparedness vs Cases Submission Length



Kruskal-Willis - Not Significant

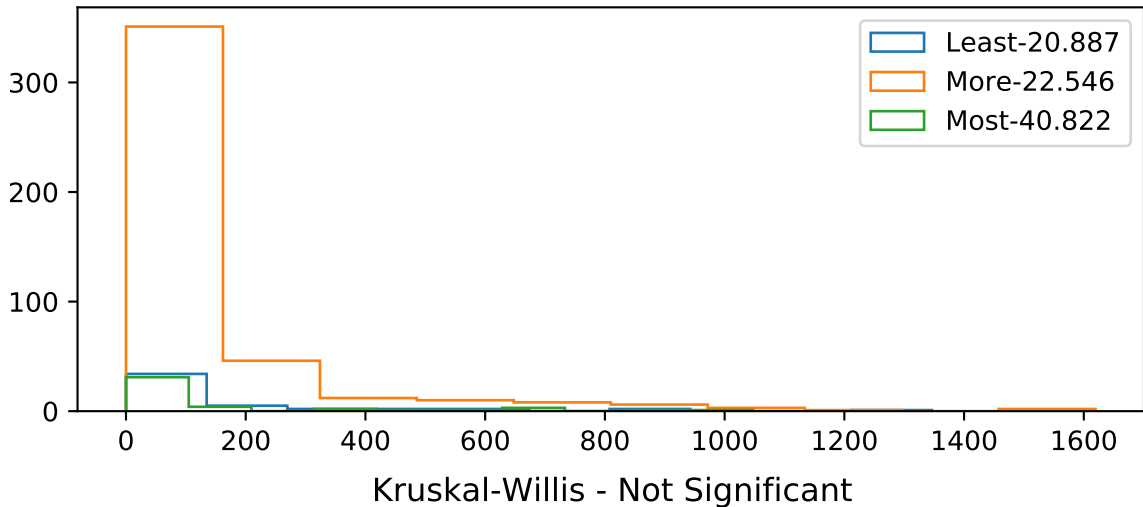
Source	ddof1	H	p-unc
x	2	0.6626598832368772	0.7179682423528628

# Norms Preparedness vs Cases Total Length



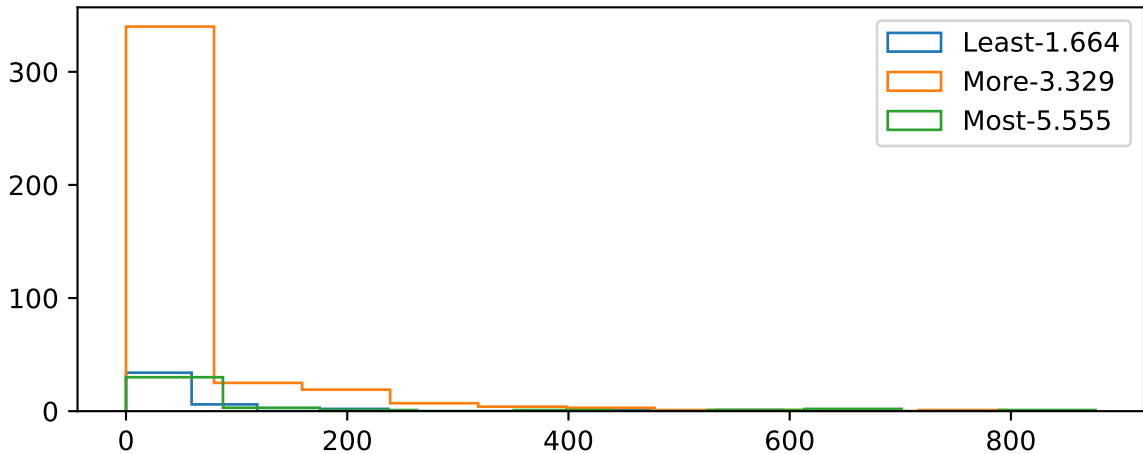
Source	ddof1	H	p-unc
x	2	9.52272267570062	0.008553956642681984

# Norms Preparedness vs Cases Peak Value



Source	ddof1	H	p-unc
x	2	1.8183807260954836	0.4028502544849334

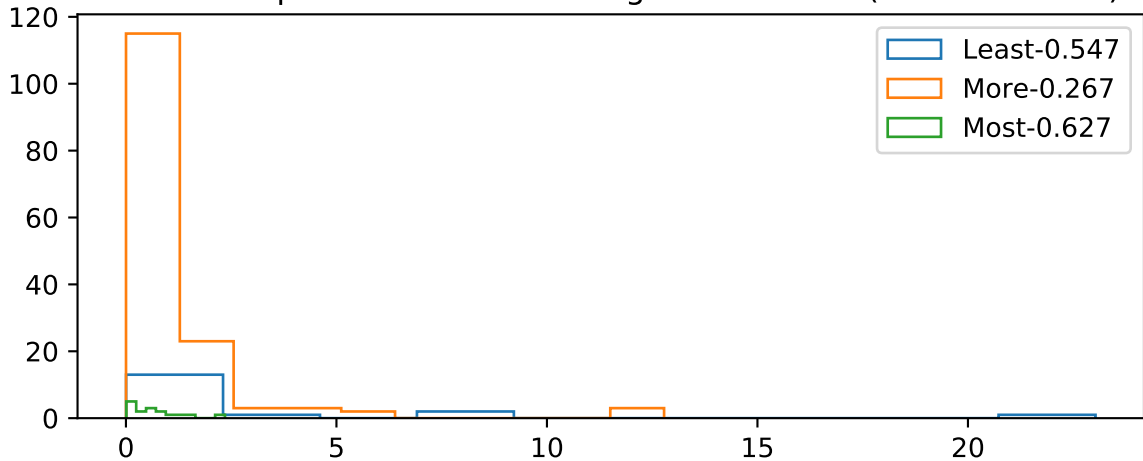
# Norms Preparedness vs Cases Valley Value



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	3.844690404348755	0.14626354201618252

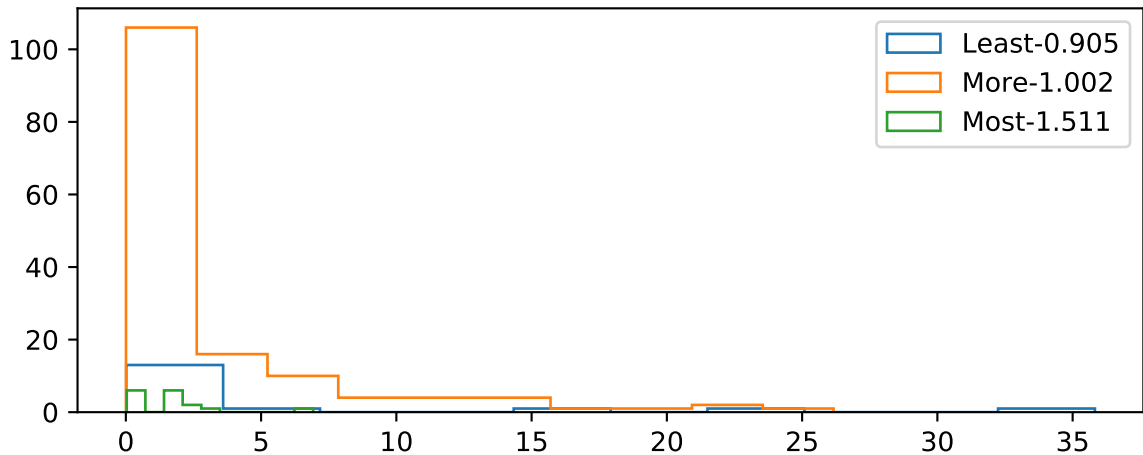
# Norms Preparedness vs Cases Avg. Growth Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	0.20936945239418492	0.9006084160720903

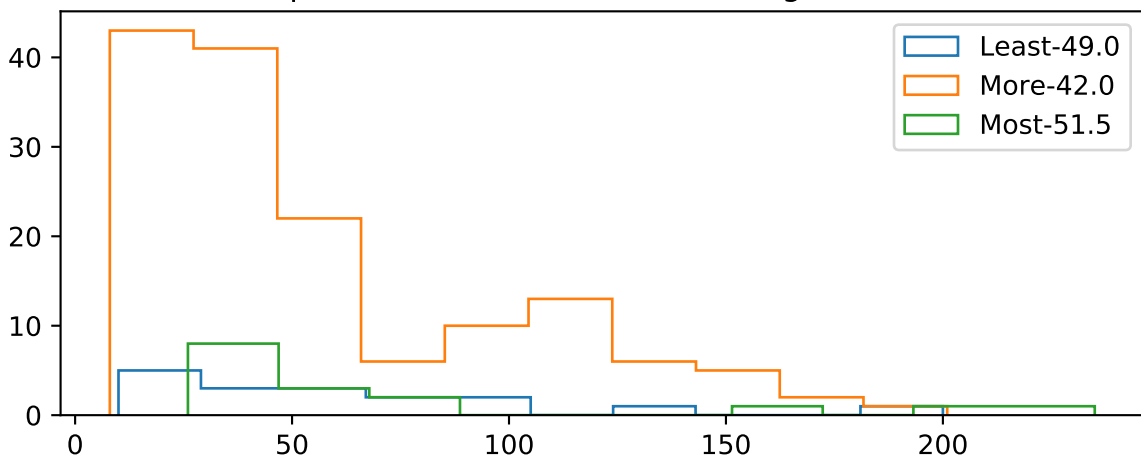
# Norms Preparedness vs Cases Max. Growth Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	0.011018143642104405	0.9945060752868456

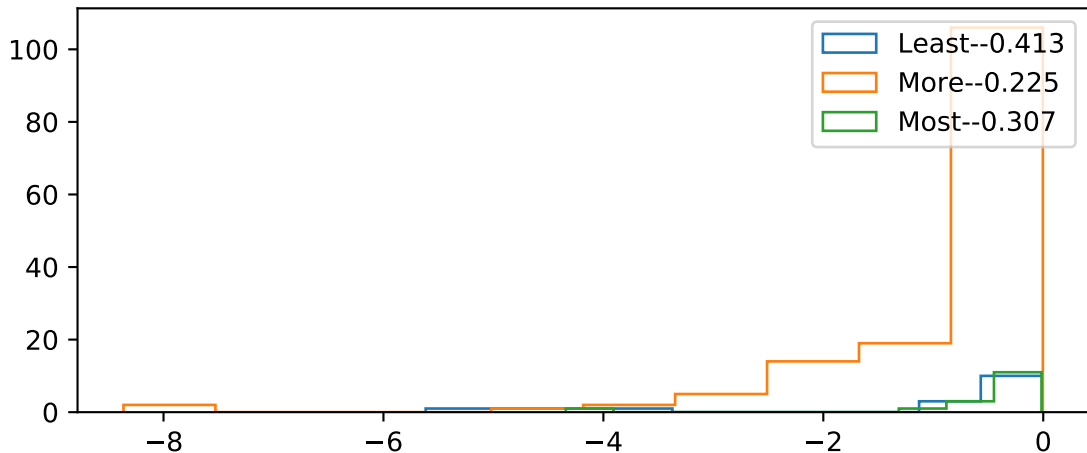
# Norms Preparedness vs Cases Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	1.6435267455283378	0.4396556936771312

# Norms Preparedness vs Cases Avg. Submission Rate(First Outbreak)

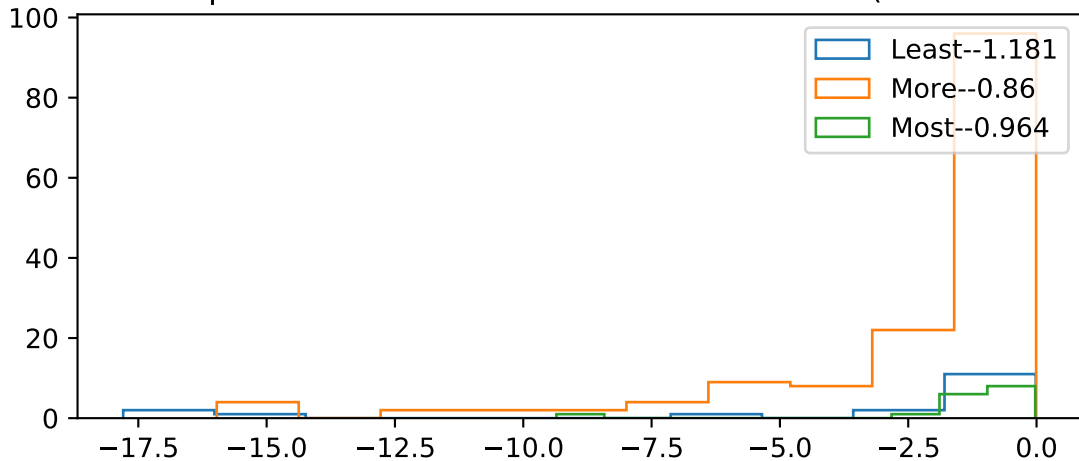


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	0.16759361013964735	0.919618098847116



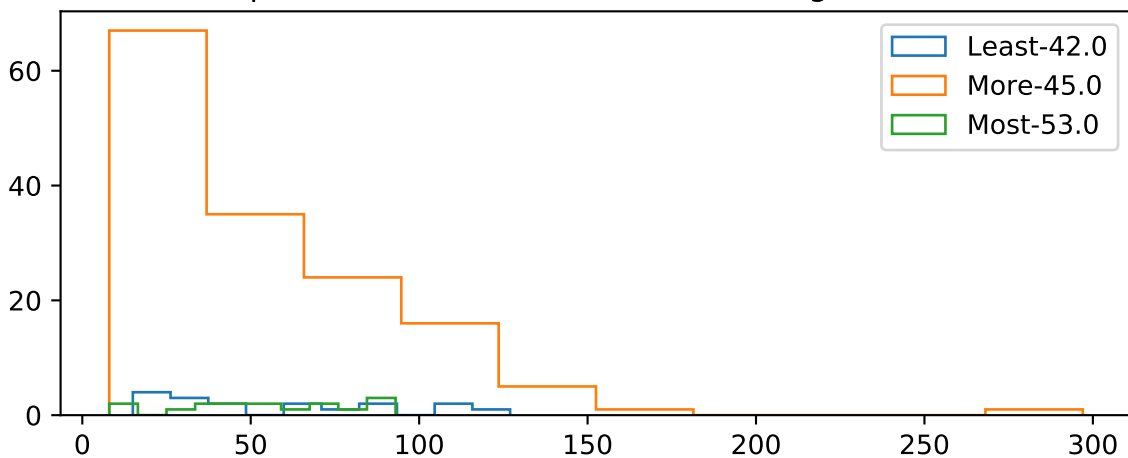
Norms Preparedness vs Cases Max. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	0.2658537640028271	0.8755291067044194

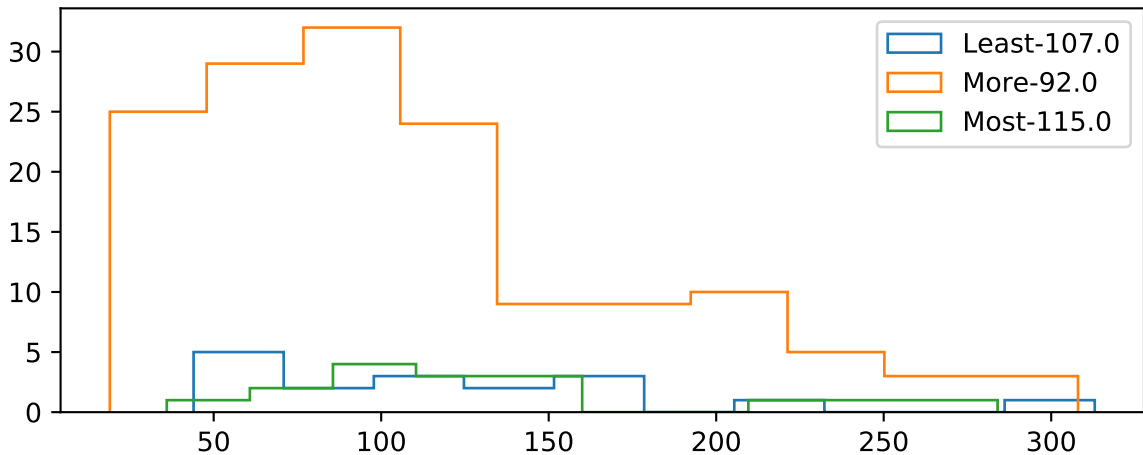
# Norms Preparedness vs Cases Submission Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	1.3770808255683173	0.5023086976218074

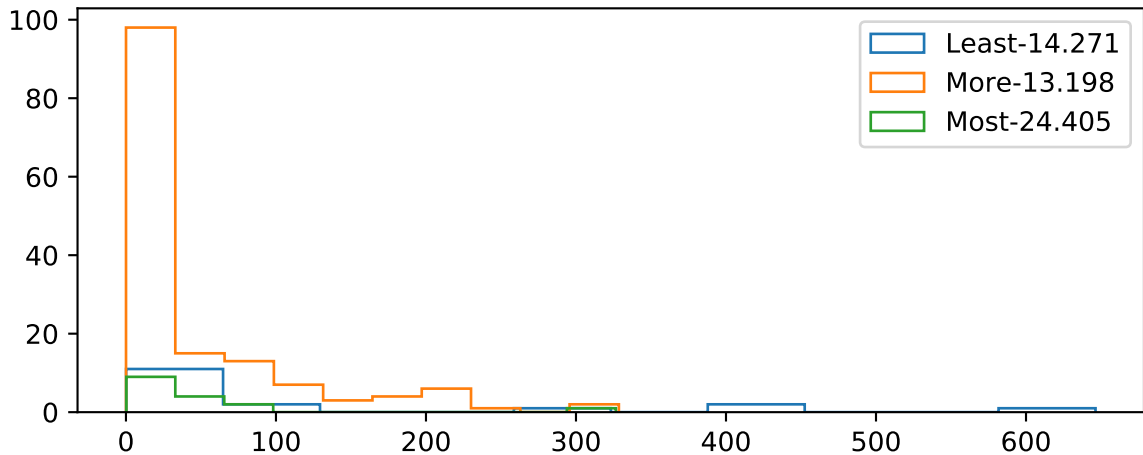
# Norms Preparedness vs Cases Total Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	2.633470183159155	0.26800889959473956

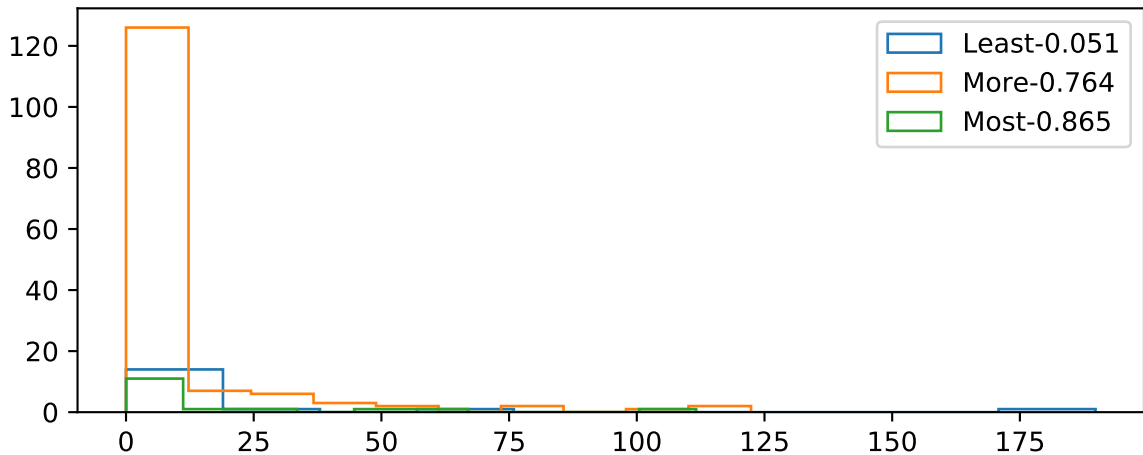
# Norms Preparedness vs Cases Peak Value(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	0.8811346237590669	0.6436711551902453

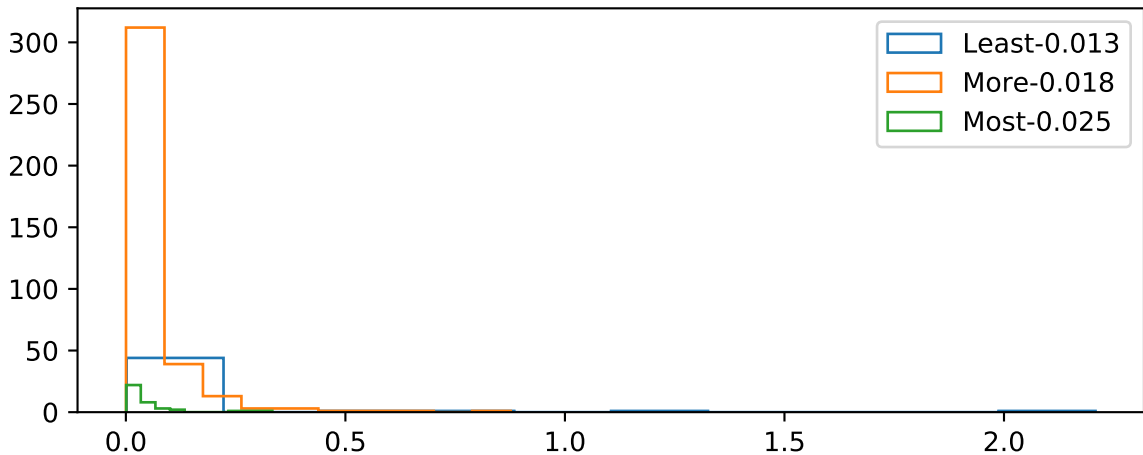
# Norms Prepardness vs Cases Valley Value(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Prepardness	2	3.058093132274311	0.21674221820439857

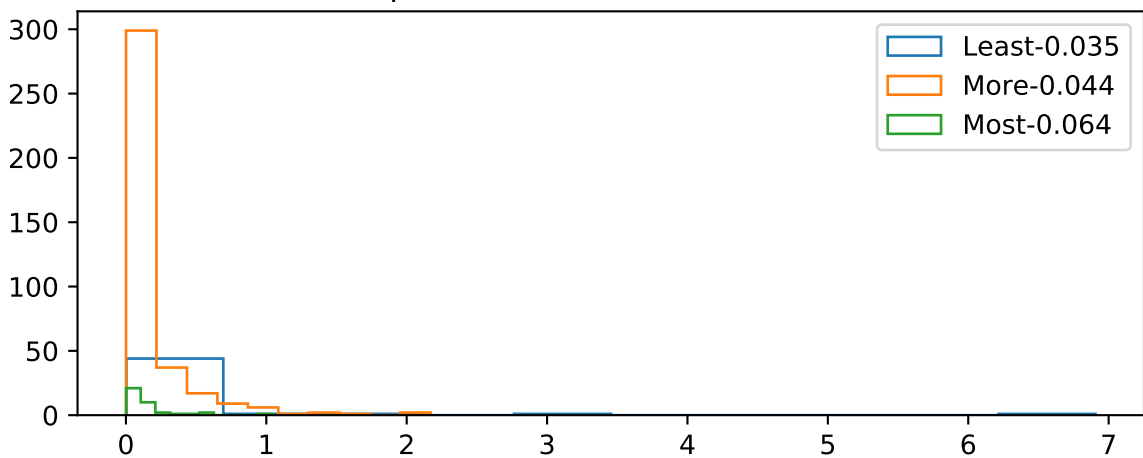
# Norms Preparedness vs Deaths Avg. Growth Rate



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	0.6158649703335582	0.734964937369198

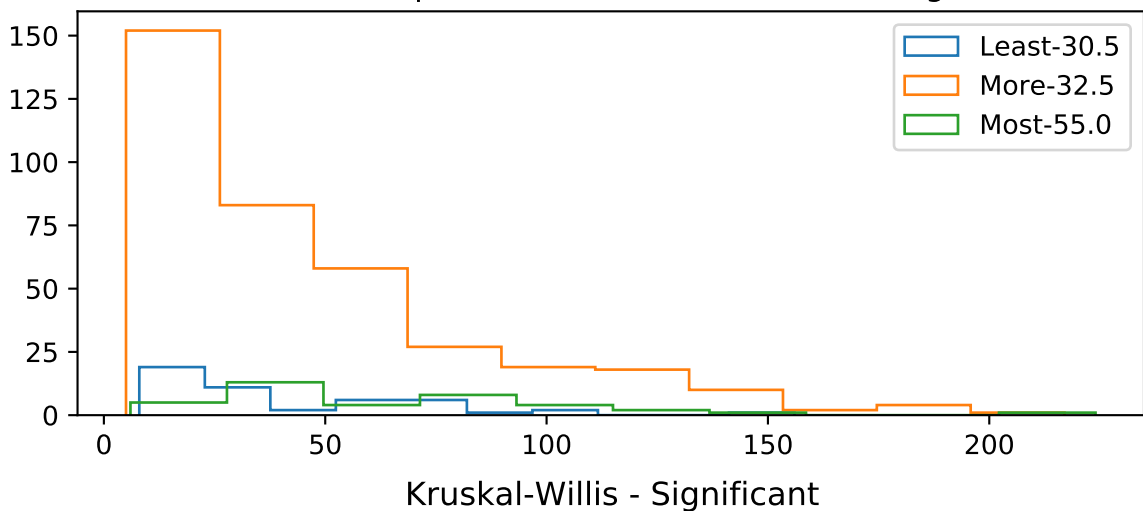
# Norms Preparedness vs Deaths Max. Growth Rate



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	1.2132964764998517	0.5451751072323362

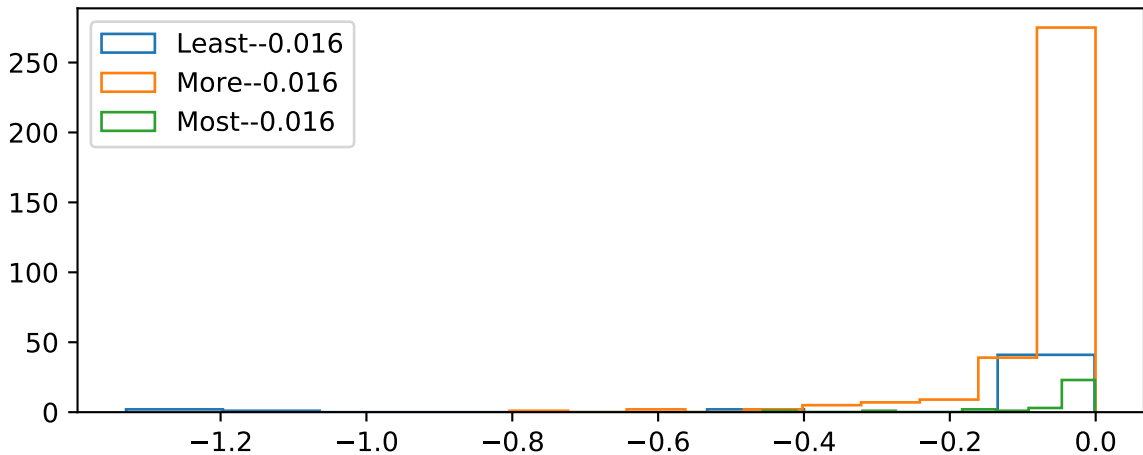
# Norms Preparedness vs Deaths Growth Length



Source	ddof1	H	p-unc
x	2	12.152205464171605	0.0022971116901813362



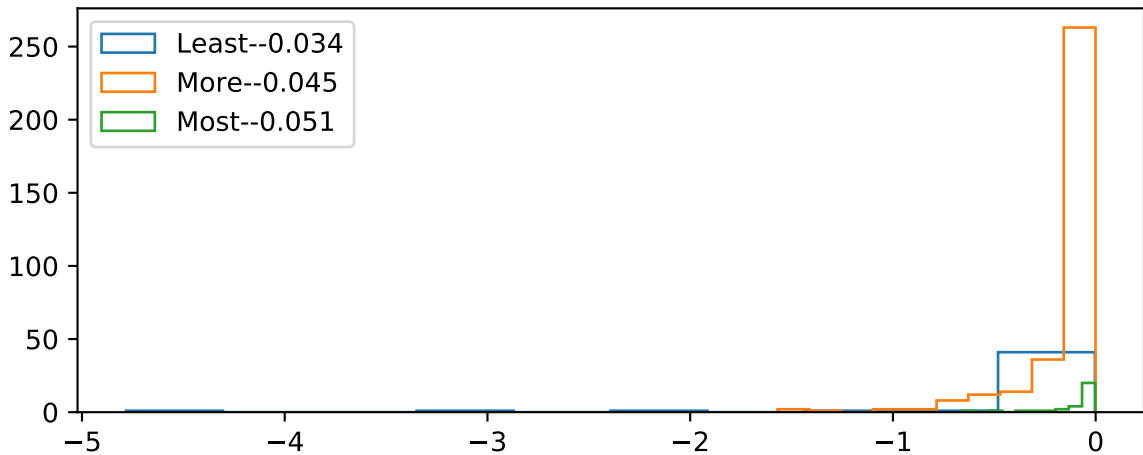
# Norms Preparedness vs Deaths Avg. Submission Rate



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	0.17718559831333364	0.9152181753202552

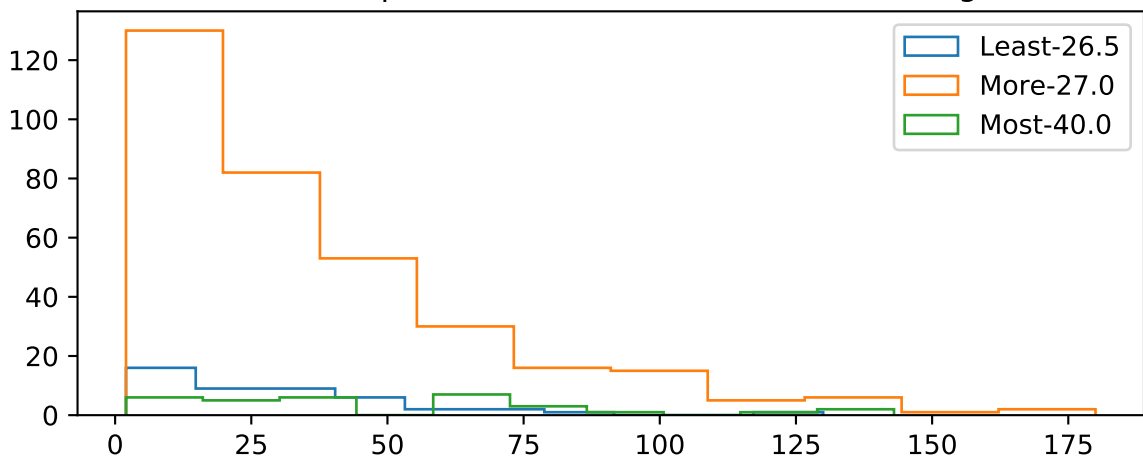
# Norms Preparedness vs Deaths Max. Submission Rate



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	0.22249017584662484	0.8947194371259992

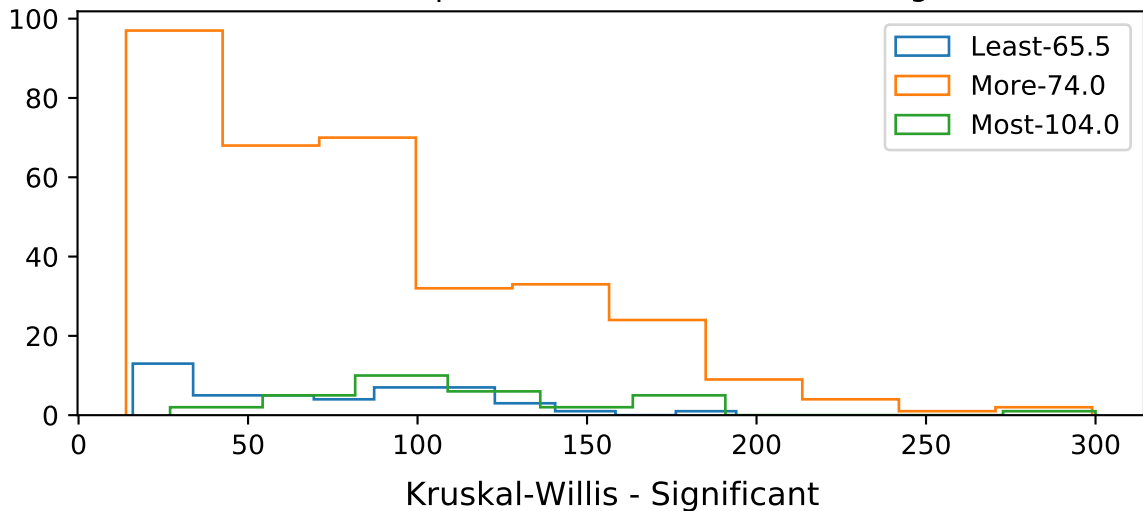
# Norms Preparedness vs Deaths Submission Length



Kruskal-Willis - Not Significant

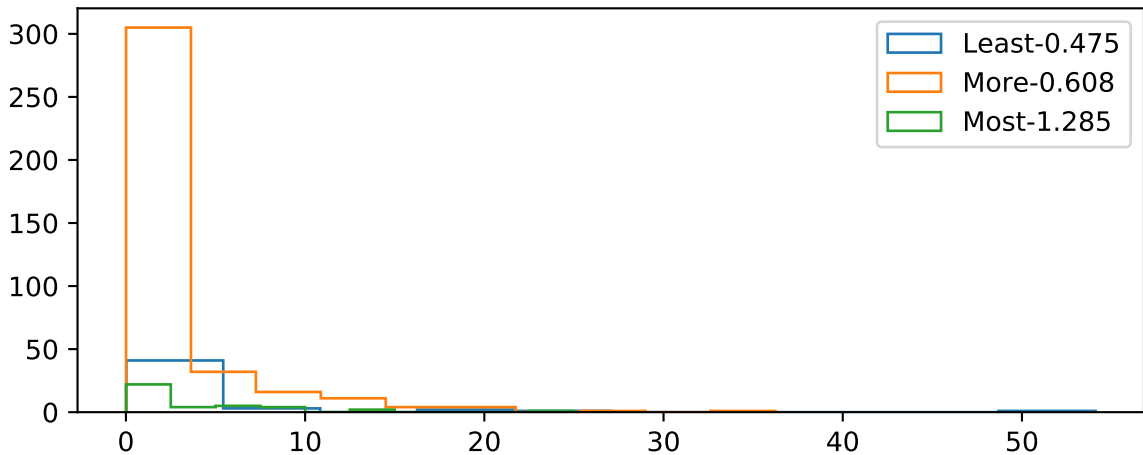
Source	ddof1	H	p-unc
x	2	5.536350572286977	0.06277644935306224

# Norms Preparedness vs Deaths Total Length



Source	ddof1	H	p-unc
x	2	13.03880285154317	0.0014745514667538259

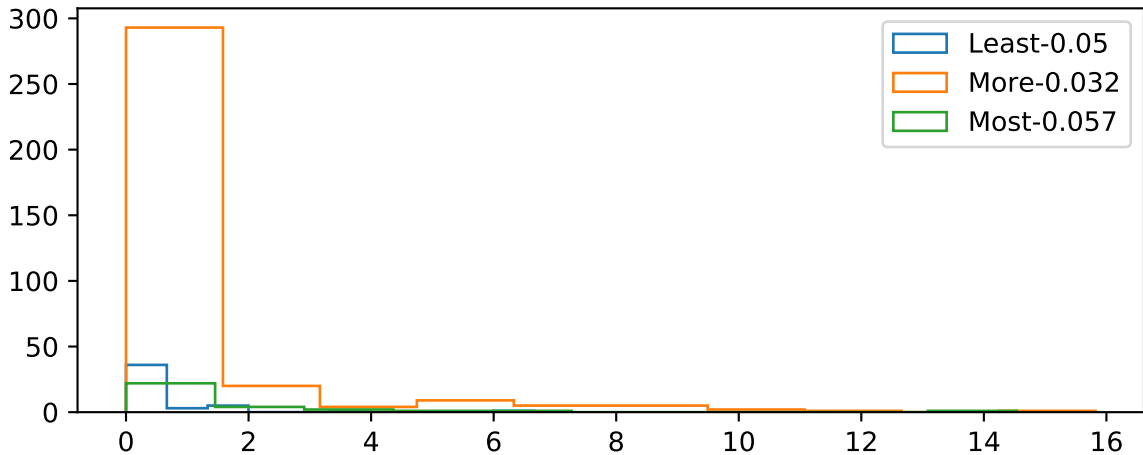
# Norms Preparedness vs Deaths Peak Value



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	5.080727998559964	0.07883769770202312

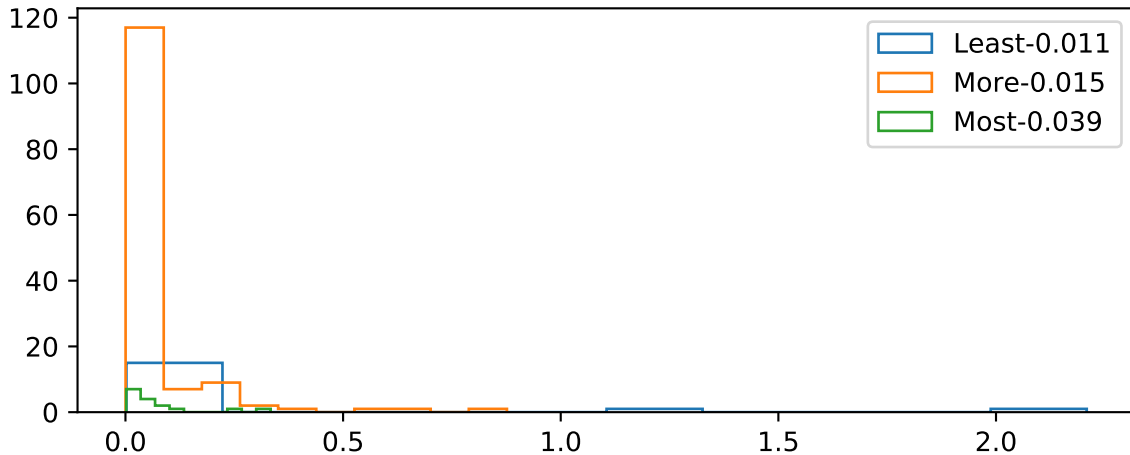
# Norms Preparedness vs Deaths Valley Value



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	1.244842674173196	0.5366434684554282

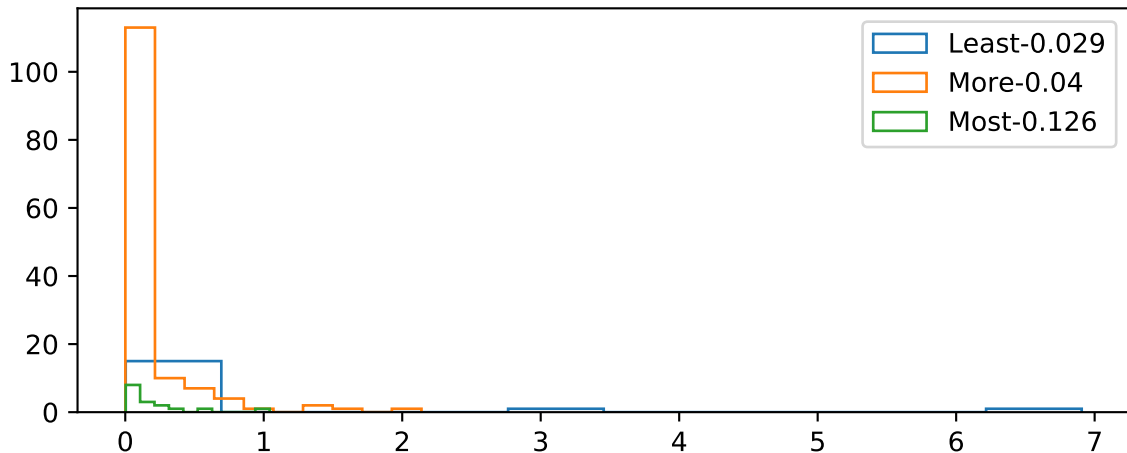
# Norms Preparedness vs Deaths Avg. Growth Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	1.3573511200449957	0.5072884206986754

# Norms Preparedness vs Deaths Max. Growth Rate(First Outbreak)

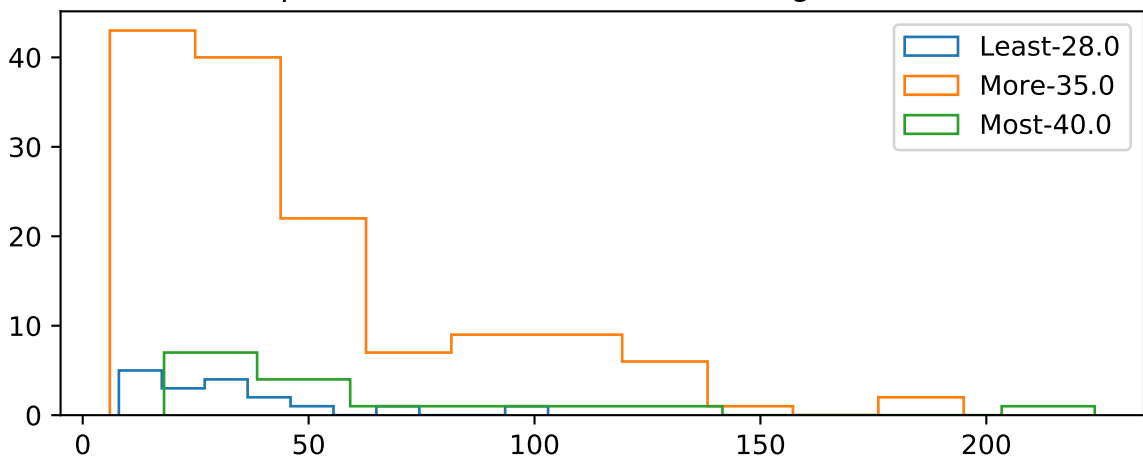


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	1.9960756286835704	0.3686019975979591



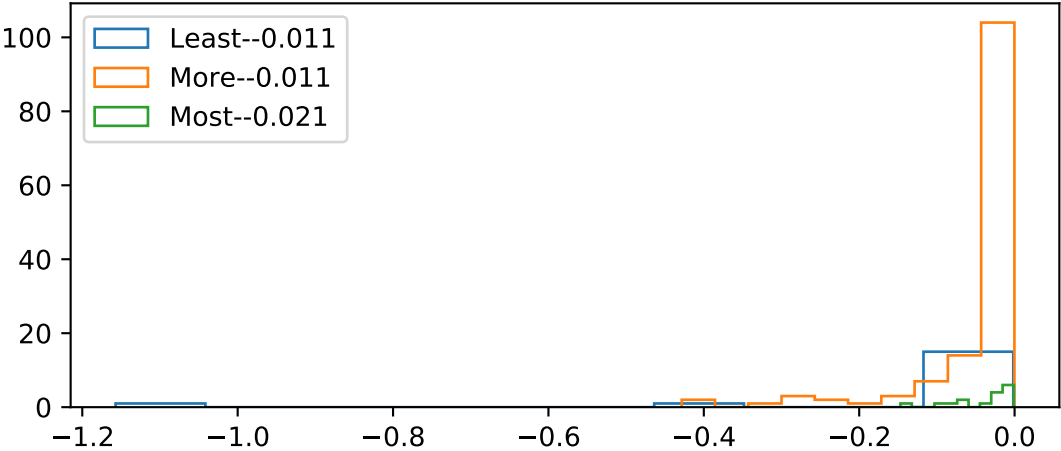
# Norms Preparedness vs Deaths Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	4.5381655060046056	0.10340698634383896

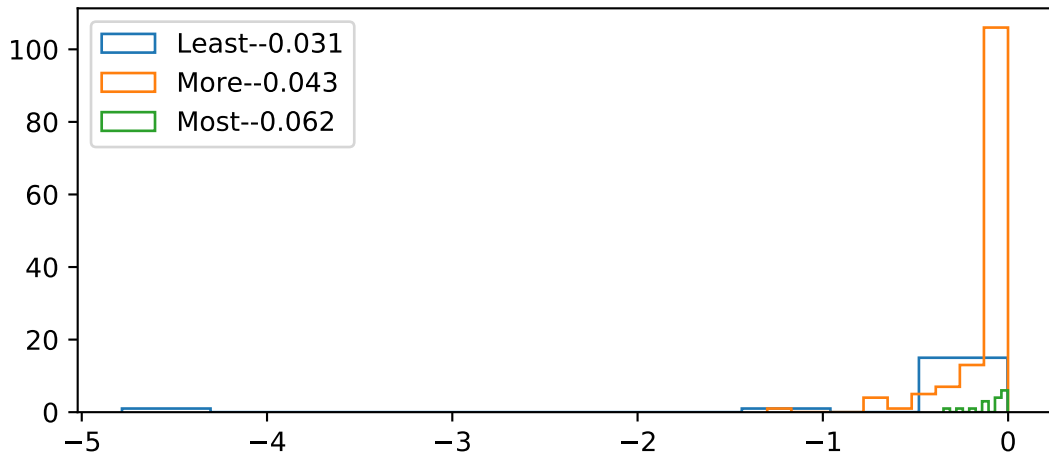
Norms Prepardness vs Deaths Avg. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Prepardness	2	1.0311148834124424	0.5971676156841006

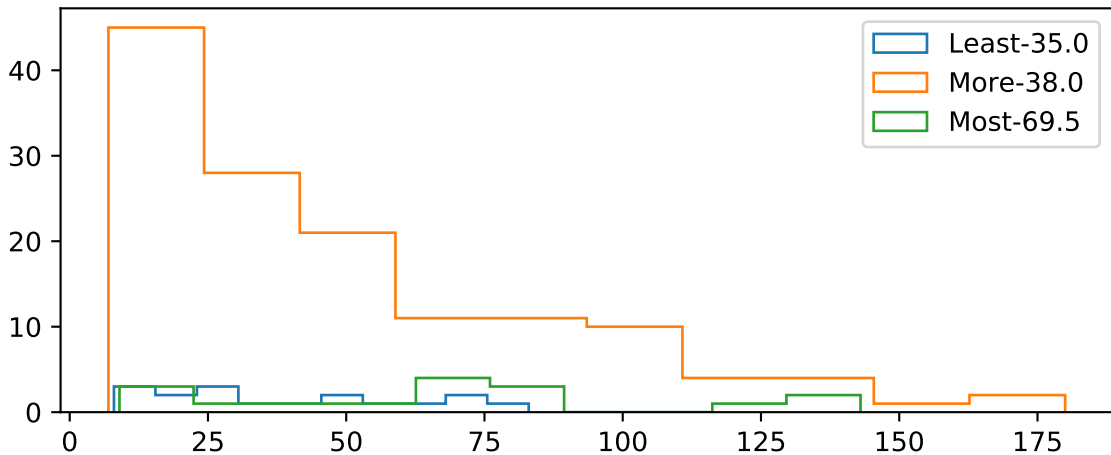
# Norms Prepardness vs Deaths Max. Submission Rate(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Prepardness	2	0.8768538298237445	0.6450503424565677

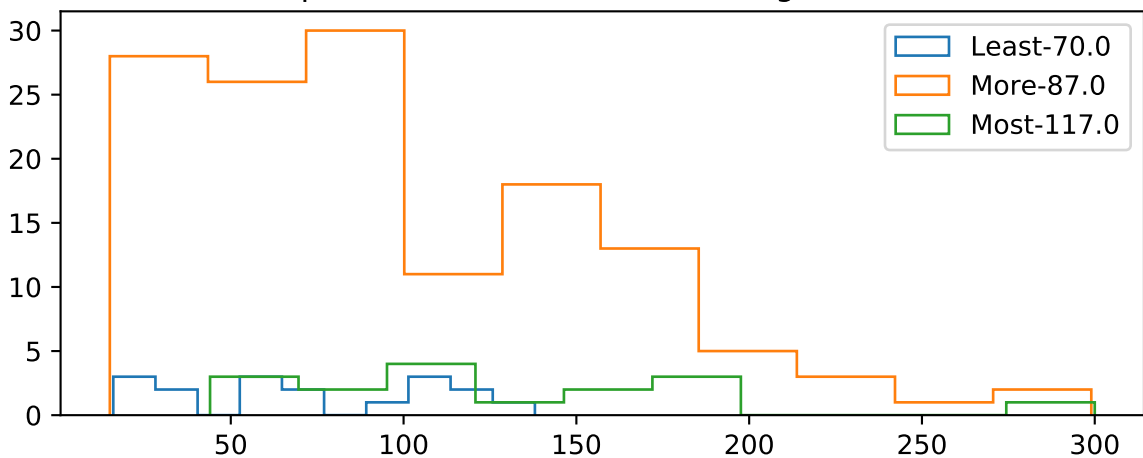
# Norms Preparedness vs Deaths Submission Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	4.6857531878115015	0.0960509408971363

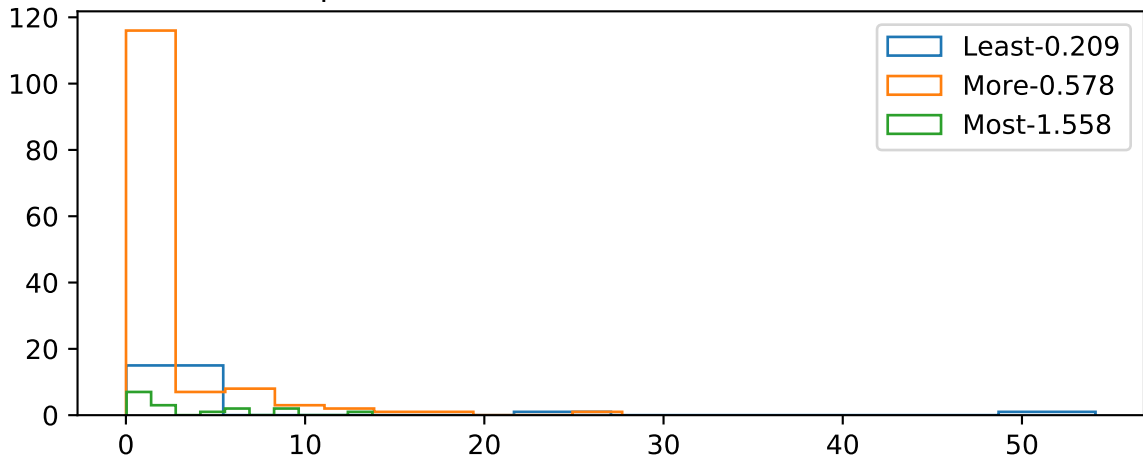
# Norms Preparedness vs Deaths Total Length(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	7.162967258339661	0.02783437172039295

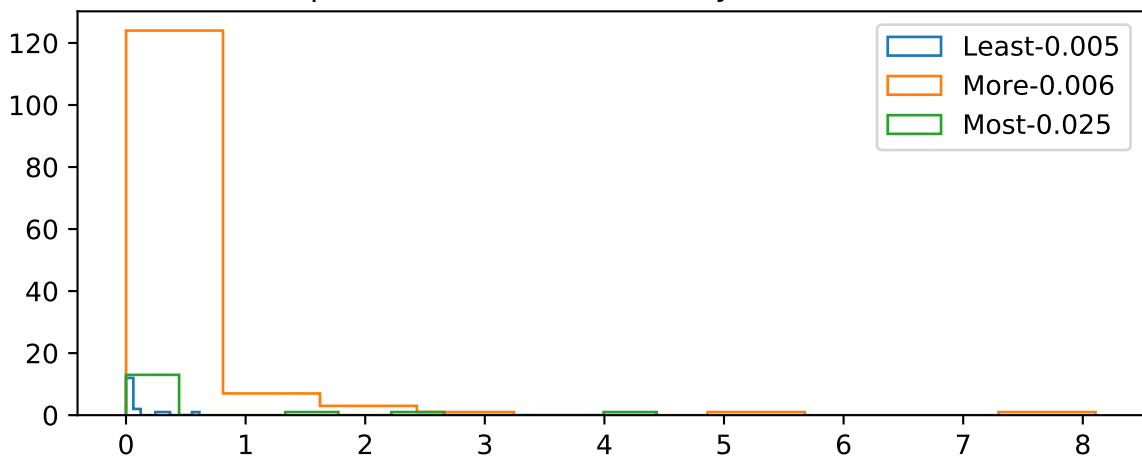
# Norms Preparedness vs Deaths Peak Value(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	2.951267064521403	0.22863383424305553

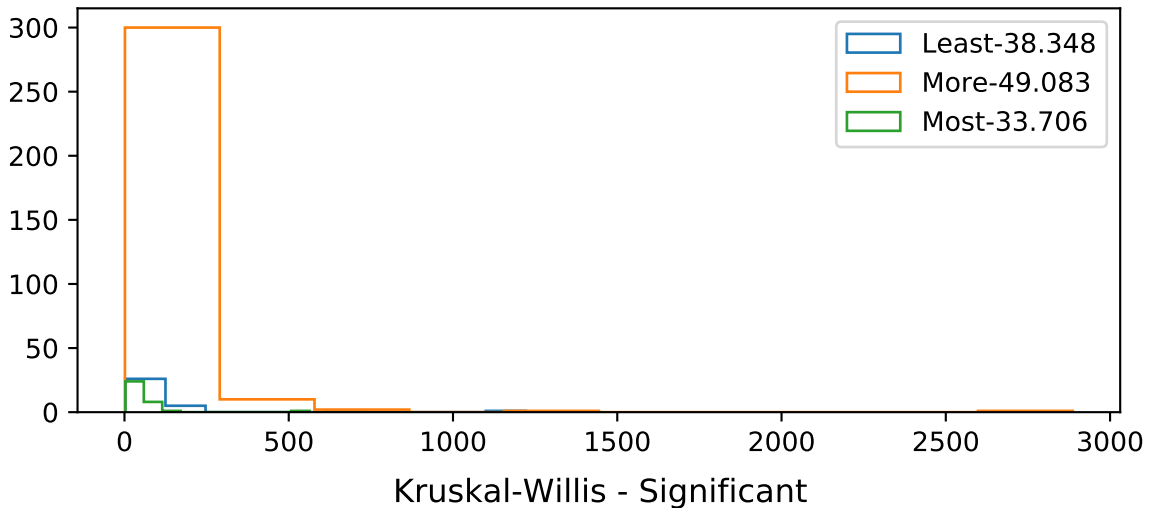
# Norms Preparedness vs Deaths Valley Value(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Norms Preparedness	2	0.6313674907548319	0.7292900550518862

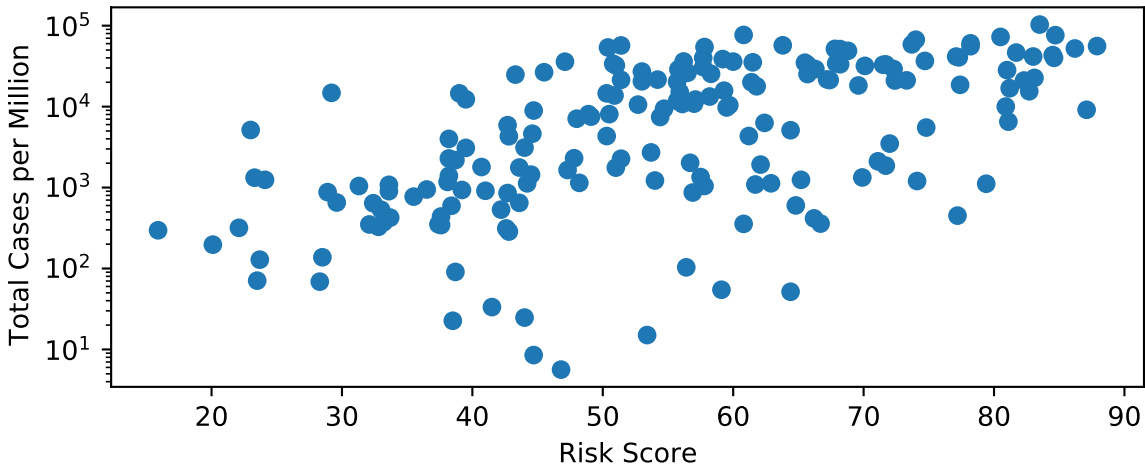
# Norms Preparedness vs Case-Death Pair Peak Ratio



Source	ddof1	H	p-unc
x	2	6.071582995287599	0.048036626947861975



Risk Score vs Total Cases per Million



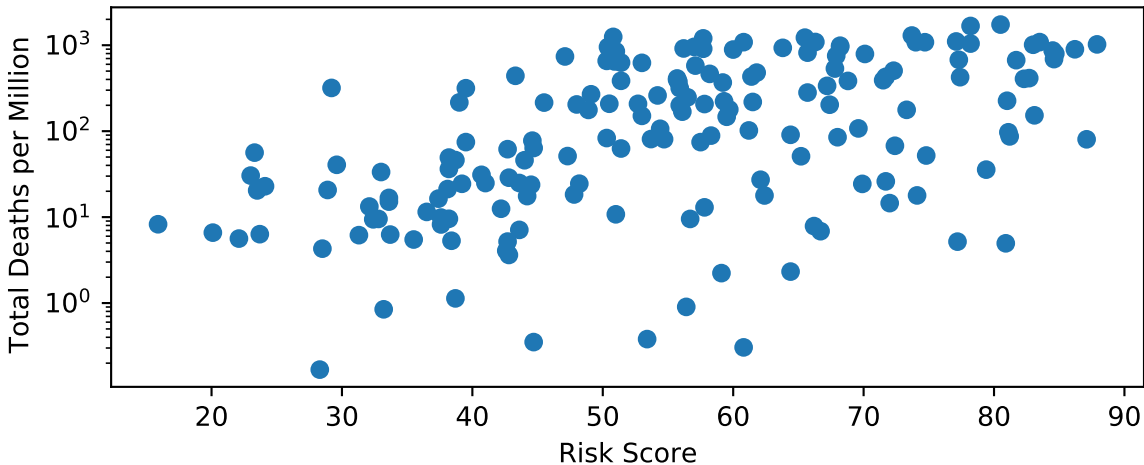
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Total Cases per Million	0.809	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.616	Strong
P-Value	0.0	Significant

# Risk Score vs Total Deaths per Million



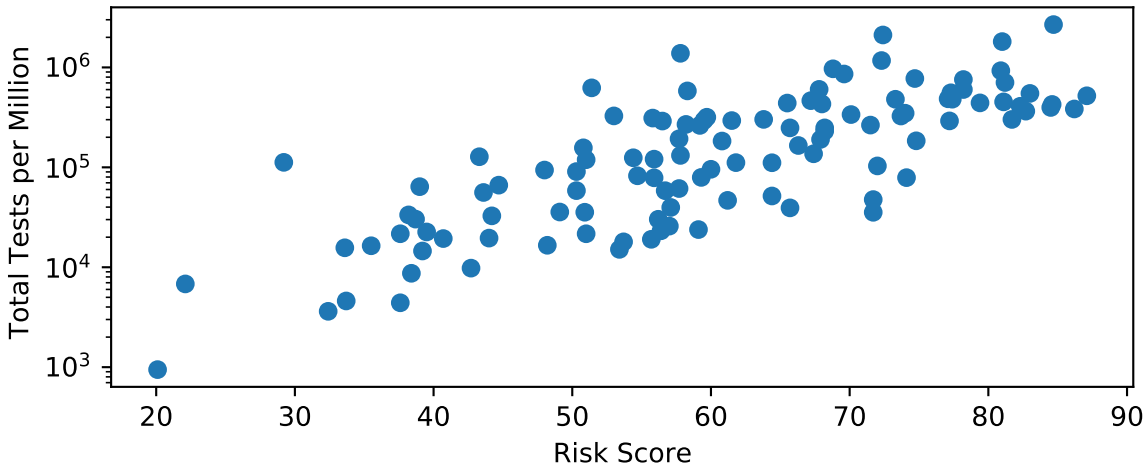
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Total Deaths per Million	0.754	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.498	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Total Tests per Million



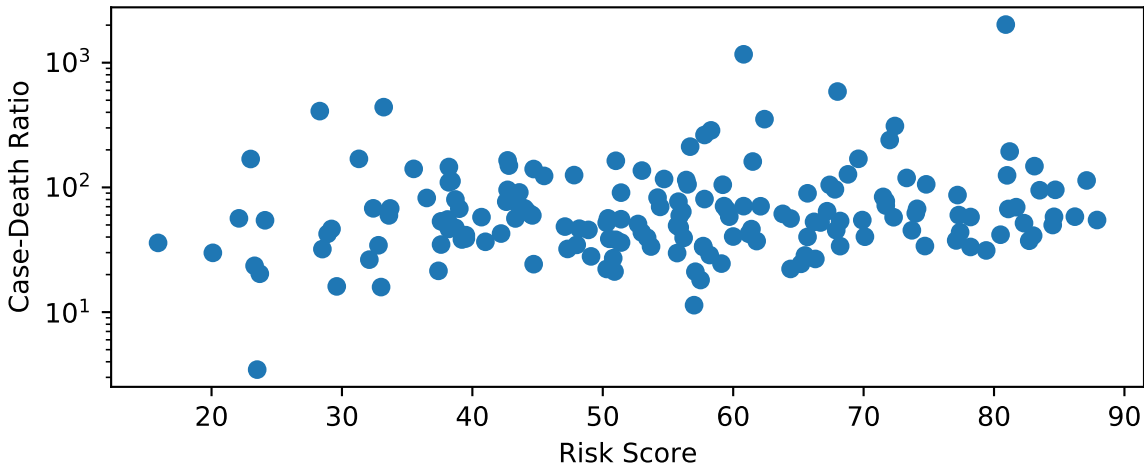
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Total Tests per Million	0.661	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.767	Strong
P-Value	0.0	Significant

Risk Score vs Case-Death Ratio



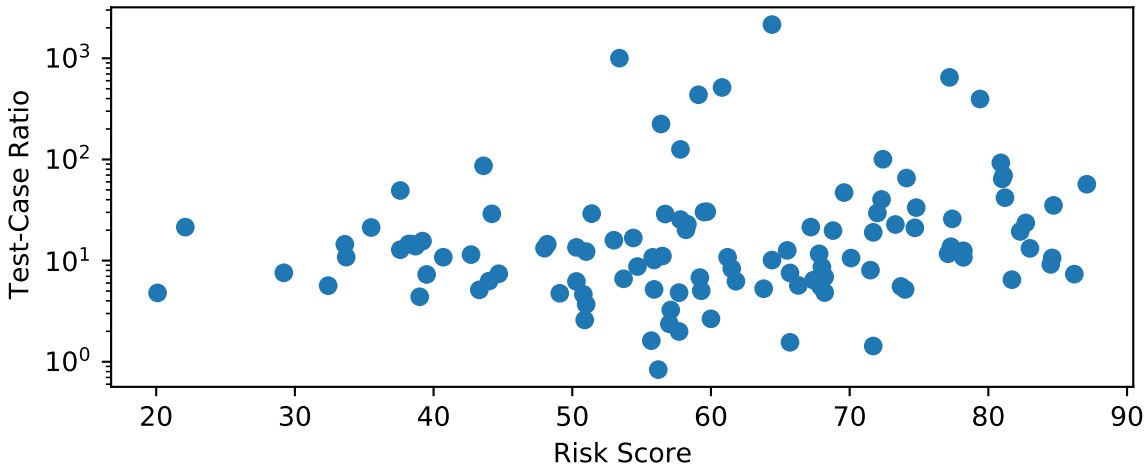
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Case-Death Ratio	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.145	Weak
P-Value	0.057	Not Significant

Risk Score vs Test-Case Ratio



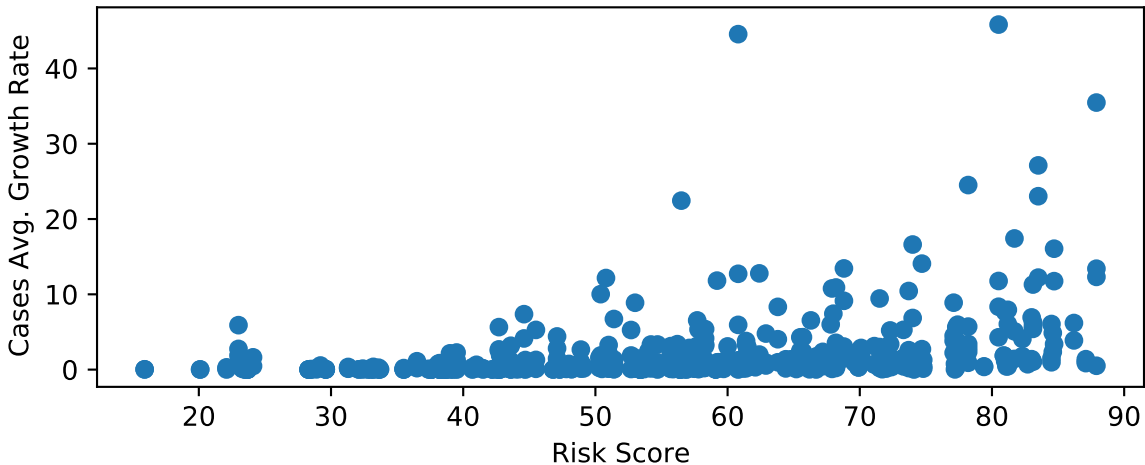
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Test-Case Ratio	0.281	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.218	Moderate
P-Value	0.021	Significant

# Risk Score vs Cases Avg. Growth Rate



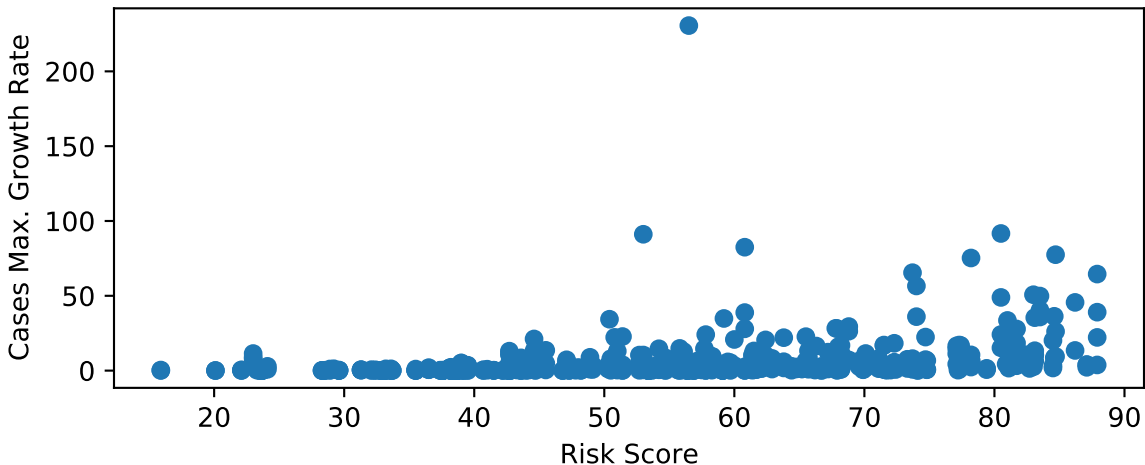
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Avg. Growth Rate	0.221	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.57	Relatively Strong
P-Value	0.0	Significant

# Risk Score vs Cases Max. Growth Rate



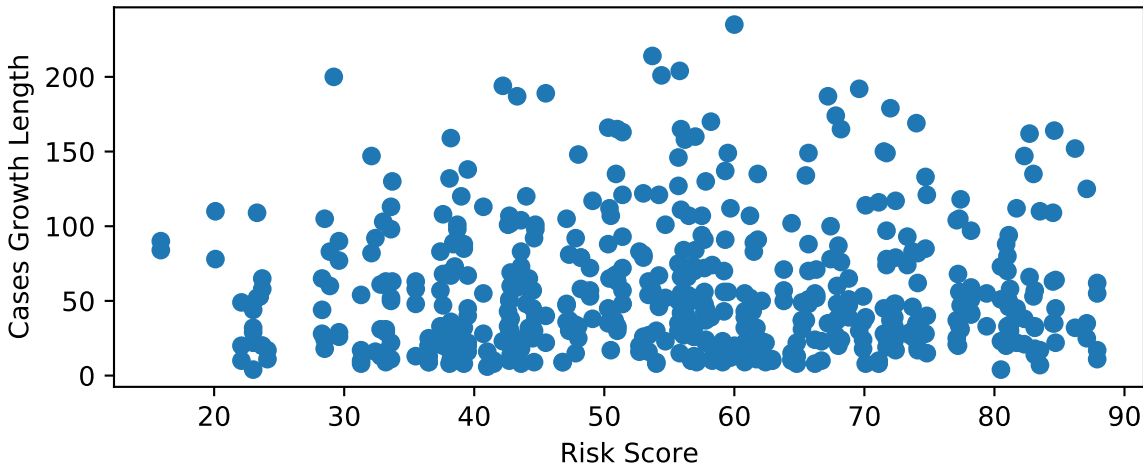
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Max. Growth Rate	0.318	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.558	Relatively Strong
P-Value	0.0	Significant

# Risk Score vs Cases Growth Length



## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Growth Length	0.864	0.0

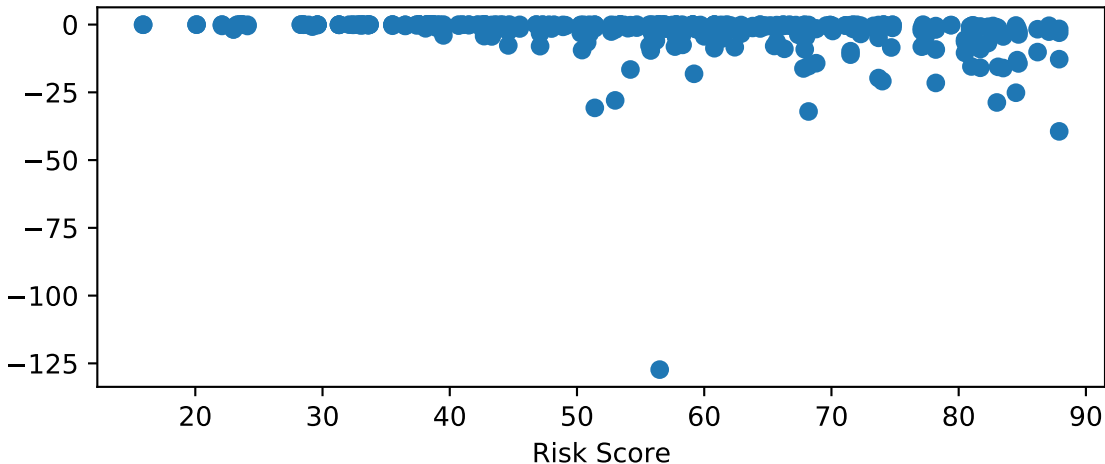
## Spearman Correlation Test

Output	Results	Outcome
Score	0.048	Negligible
P-Value	0.269	Not Significant



# Risk Score vs Cases Avg. Submission Rate

Cases Avg. Submission Rate



## Shapiro-Wilk Test

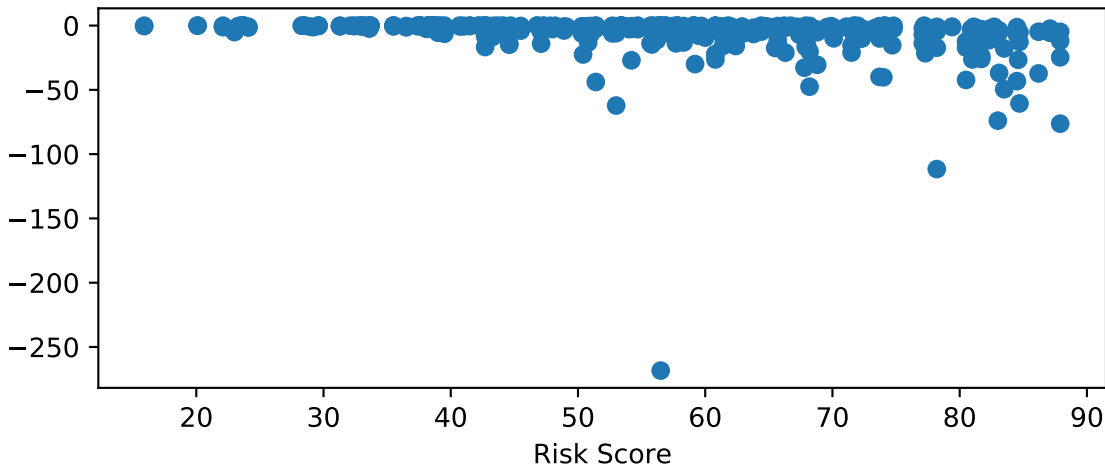
Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Avg. Submission Rate	0.23	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	-0.509	Relatively Strong
P-Value	0.0	Significant

# Risk Score vs Cases Max. Submission Rate

Cases Max. Submission Rate



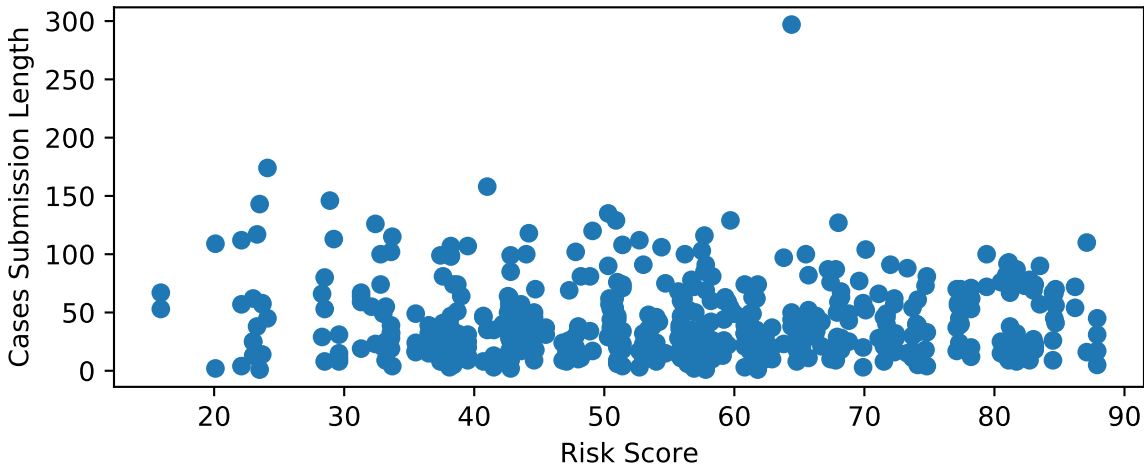
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Max. Submission Rate	0.274	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	-0.501	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Cases Submission Length



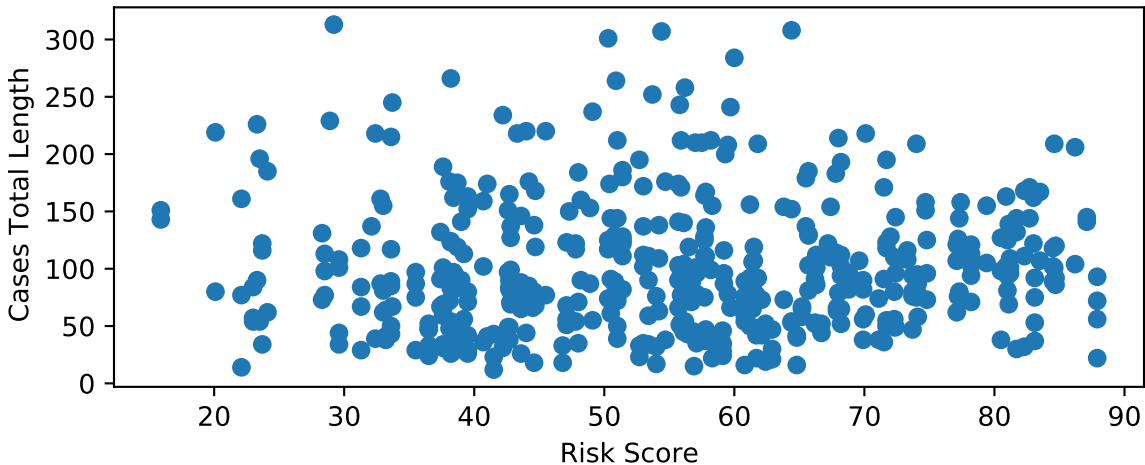
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Submission Length	0.855	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.052	Negligible
P-Value	0.254	Not Significant

# Risk Score vs Cases Total Length



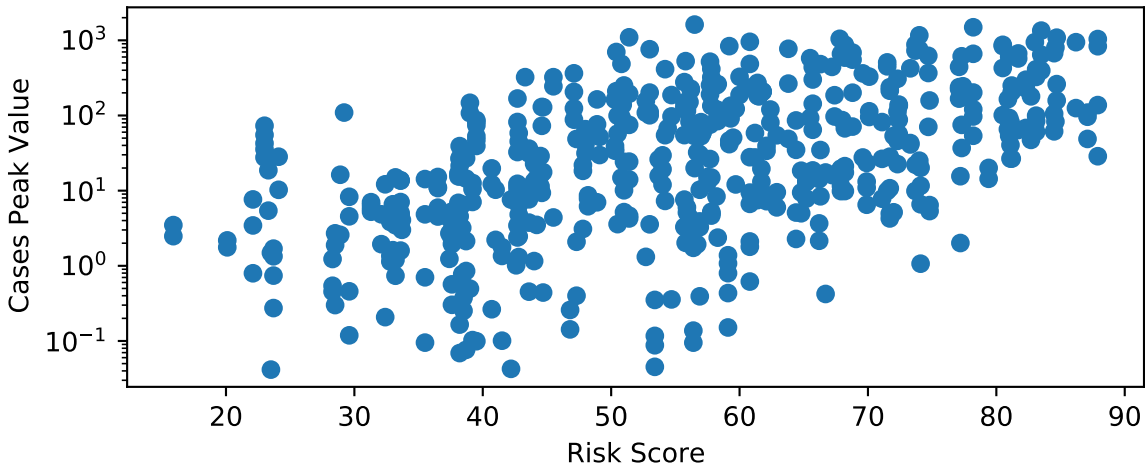
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Total Length	0.918	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.087	Negligible
P-Value	0.055	Not Significant

Risk Score vs Cases Peak Value



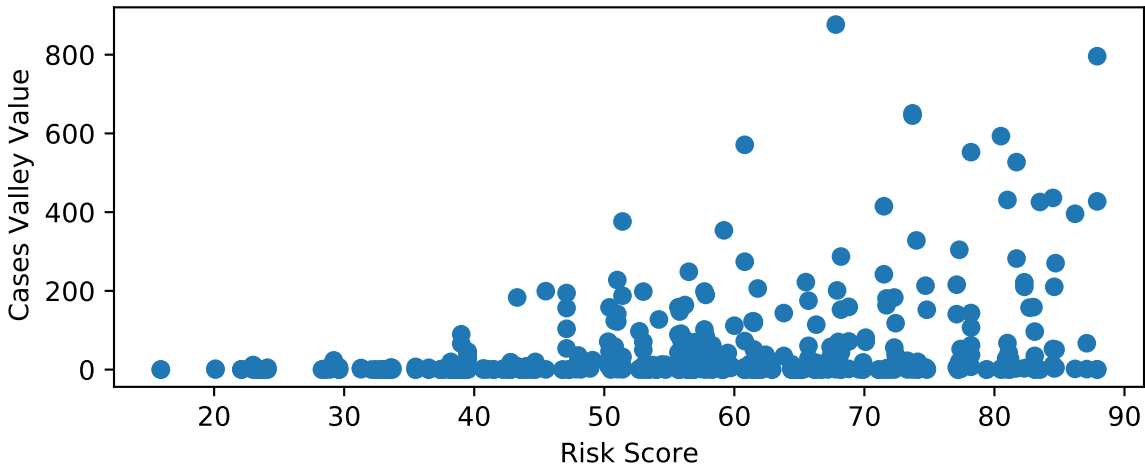
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Peak Value	0.554	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.546	Relatively Strong
P-Value	0.0	Significant

# Risk Score vs Cases Valley Value



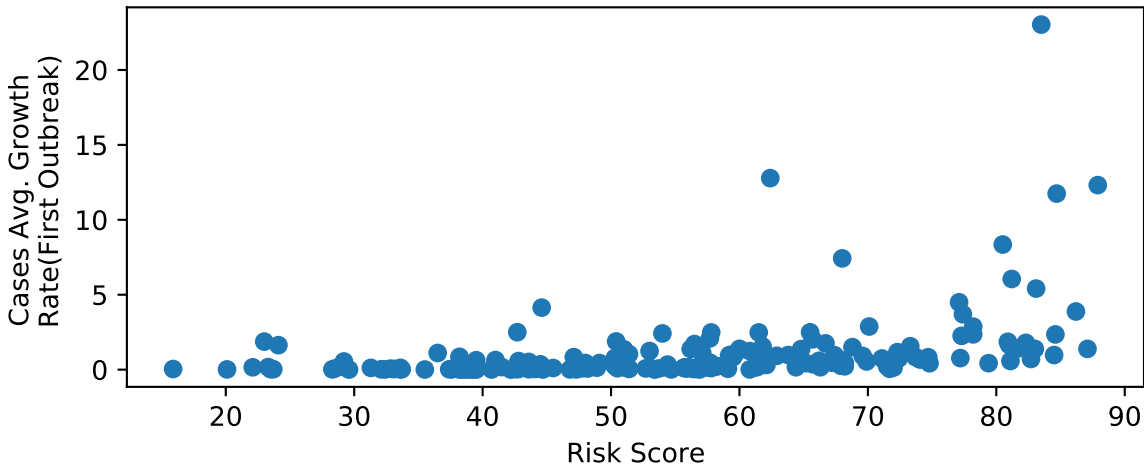
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Valley Value	0.478	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.338	Moderate
P-Value	0.0	Significant

Risk Score vs Cases Avg. Growth Rate(First Outbreak)



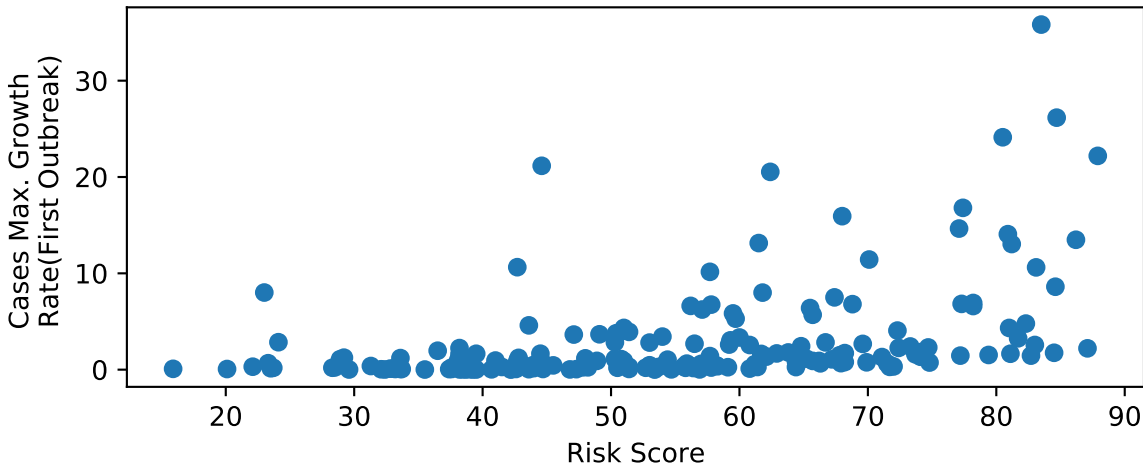
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Avg. Growth Rate(First Outbreak)	0.28	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.621	Strong
P-Value	0.0	Significant

# Risk Score vs Cases Max. Growth Rate(First Outbreak)



## Shapiro-Wilk Test

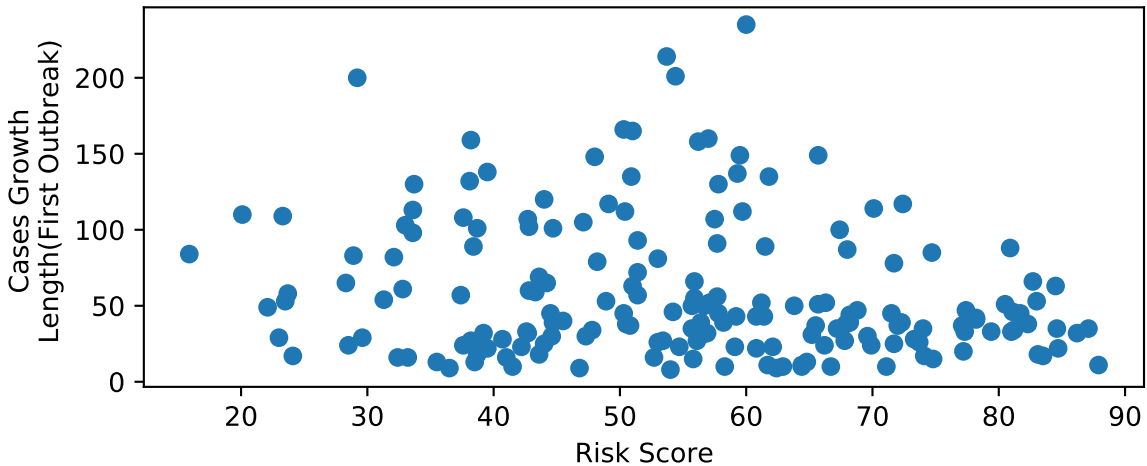
Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Max. Growth Rate(First Outbreak)	0.366	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.572	Relatively Strong
P-Value	0.0	Significant



Risk Score vs Cases Growth Length(First Outbreak)



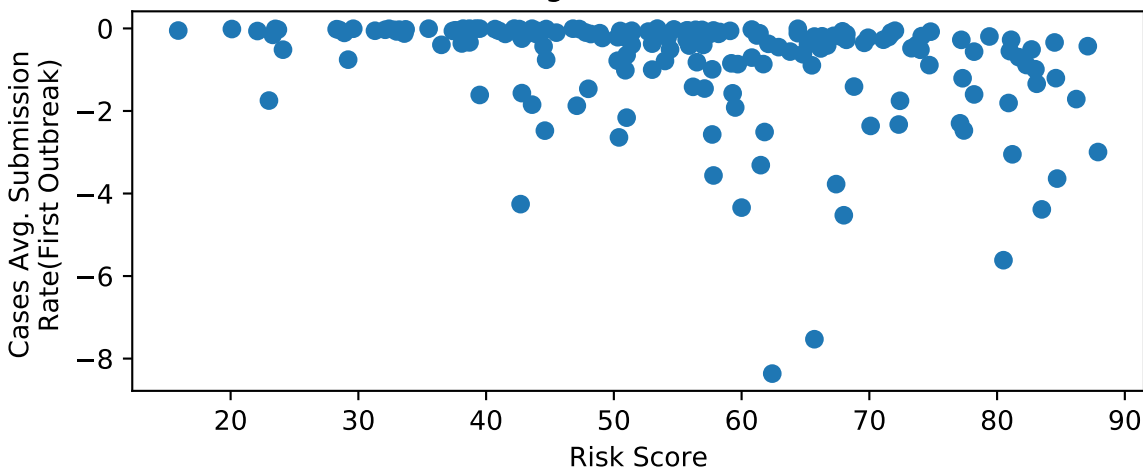
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Growth Length(First Outbreak)	0.836	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.162	Weak
P-Value	0.029	Significant

Risk Score vs Cases Avg. Submission Rate(First Outbreak)



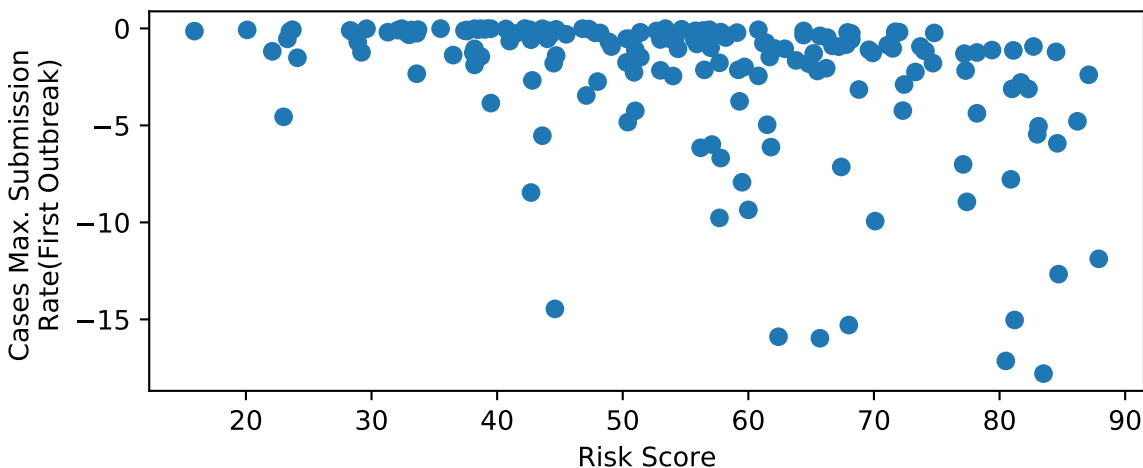
Shapiro-Wilk Test

Test	Statistic	P-Value
Shapiro-Wilk	0.987	0.999
Case Avg. Submission Rate(First Outbreak)	0.987	0.999

Spearman Correlation Test

Output	Results	Outcome
Score	-0.517	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Cases Max. Submission Rate(First Outbreak)



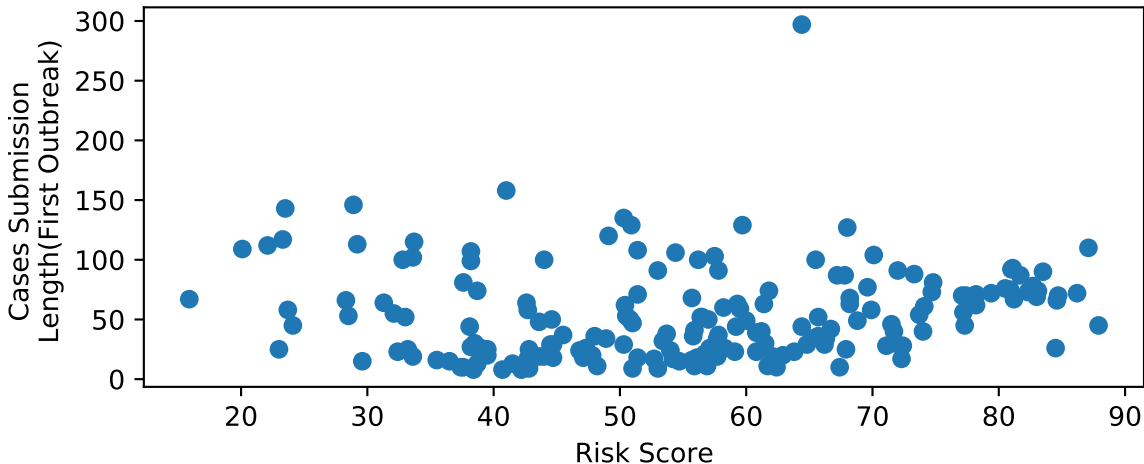
Shapiro-Wilk Test

Test	Statistic	P-Value
Shapiro-Wilk	0.999	0.999
Cases Max. Submission Rate(First Outbreak)		0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.502	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Cases Submission Length(First Outbreak)

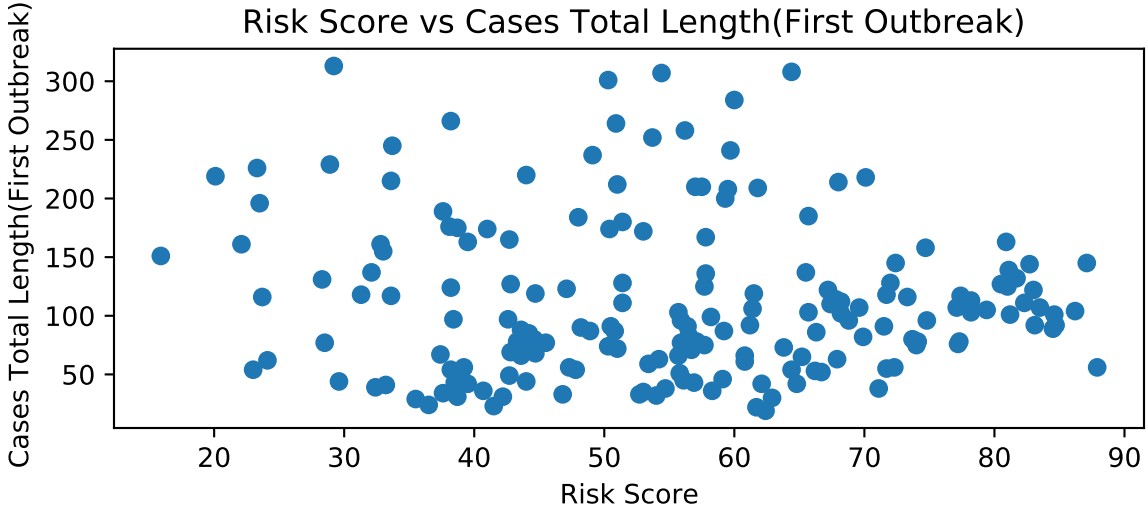


Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Submission Length(First Outbreak)	0.852	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.191	Weak
P-Value	0.01	Significant

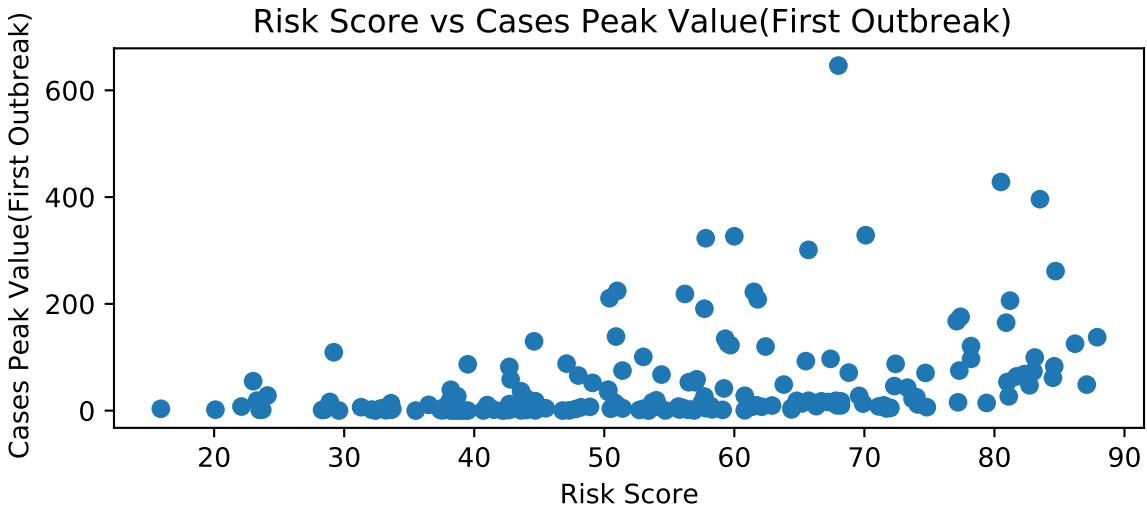


Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Total Length(First Outbreak)	0.903	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.018	Negligible
P-Value	0.81	Not Significant

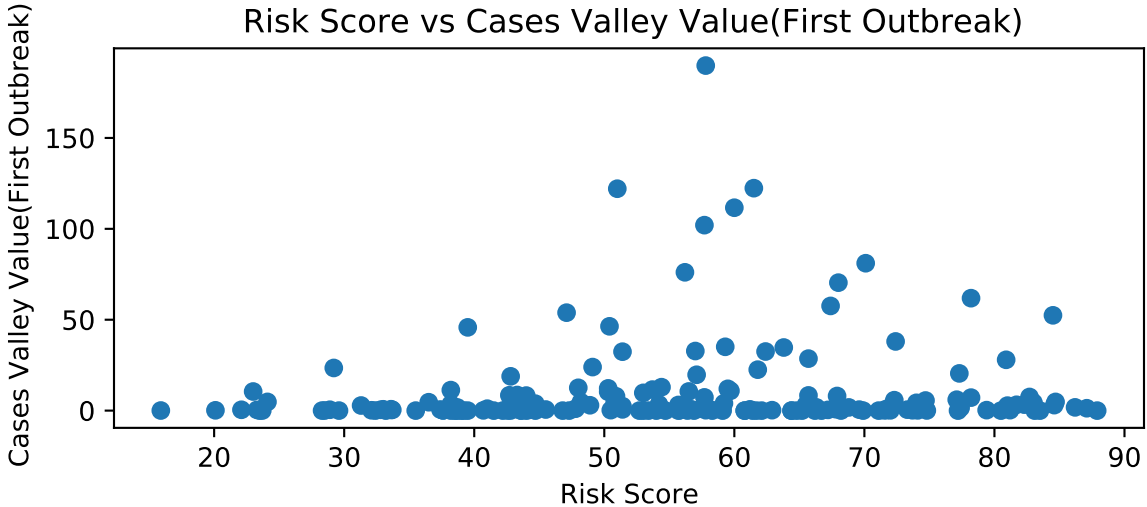


### Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Peak Value(First Outbreak)	0.592	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	0.509	Relatively Strong
P-Value	0.0	Significant



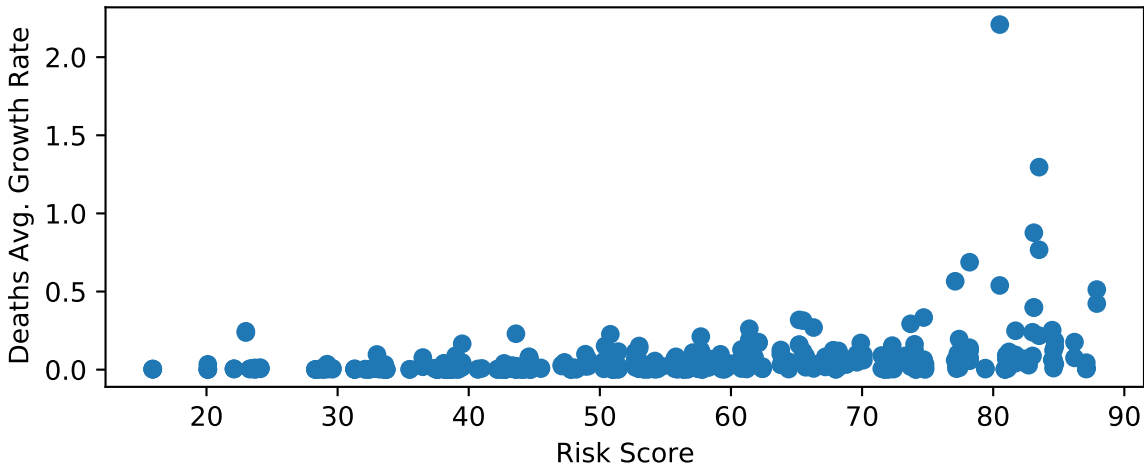
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Cases Valley Value(First Outbreak)	0.445	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.12	Weak
P-Value	0.106	Not Significant

Risk Score vs Deaths Avg. Growth Rate



Shapiro-Wilk Test

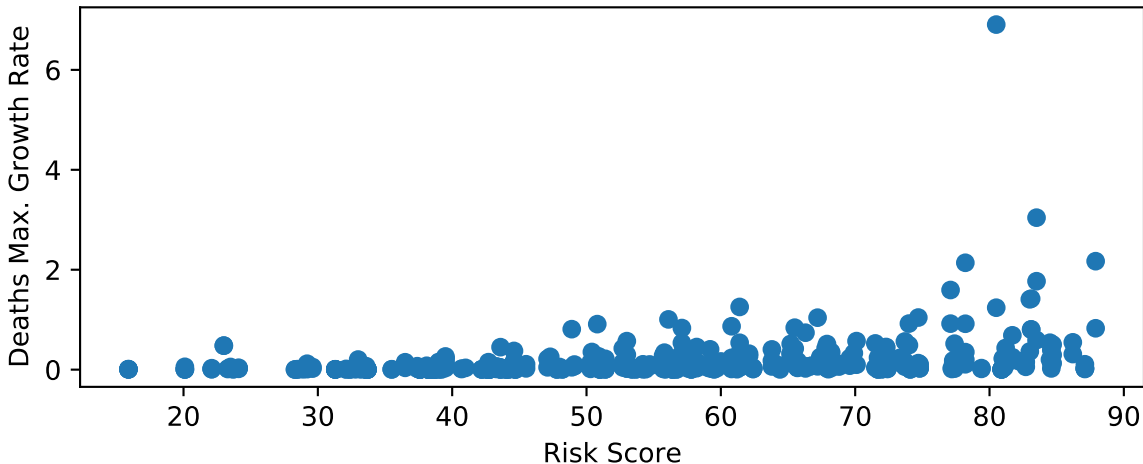
Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Avg. Growth Rate	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.518	Relatively Strong
P-Value	0.0	Significant



# Risk Score vs Deaths Max. Growth Rate



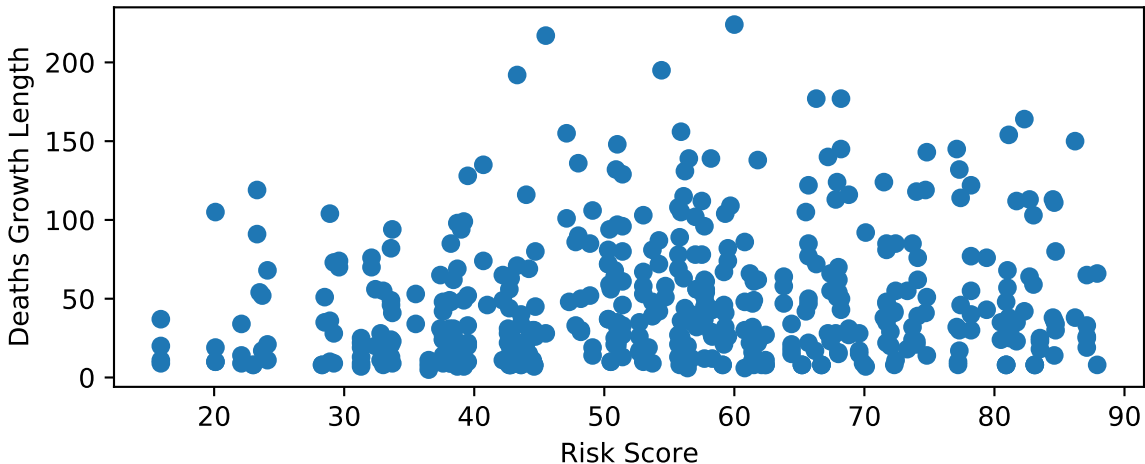
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Max. Growth Rate	0.385	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.507	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Deaths Growth Length

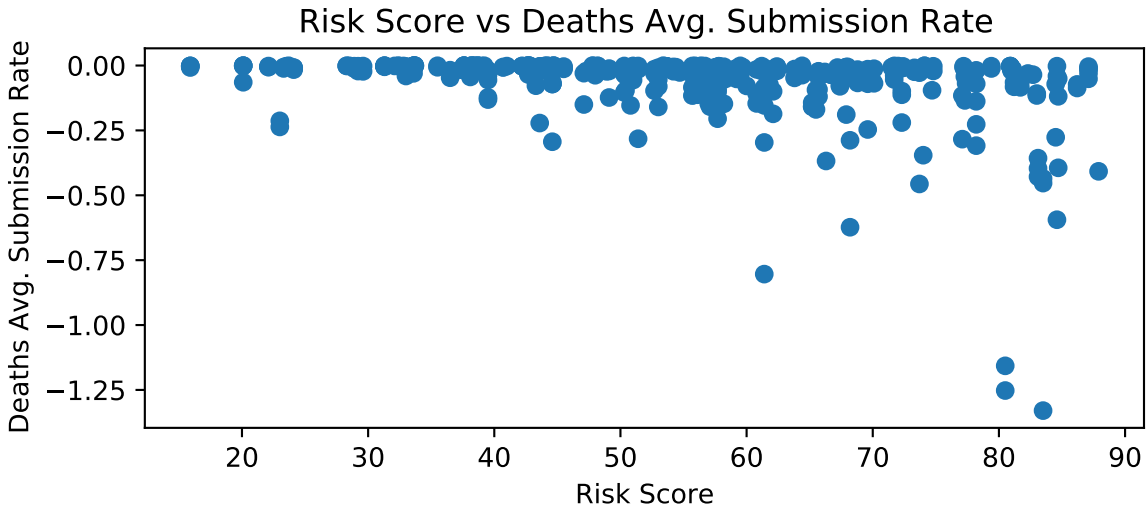


Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Growth Length	0.841	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.176	Weak
P-Value	0.0	Significant

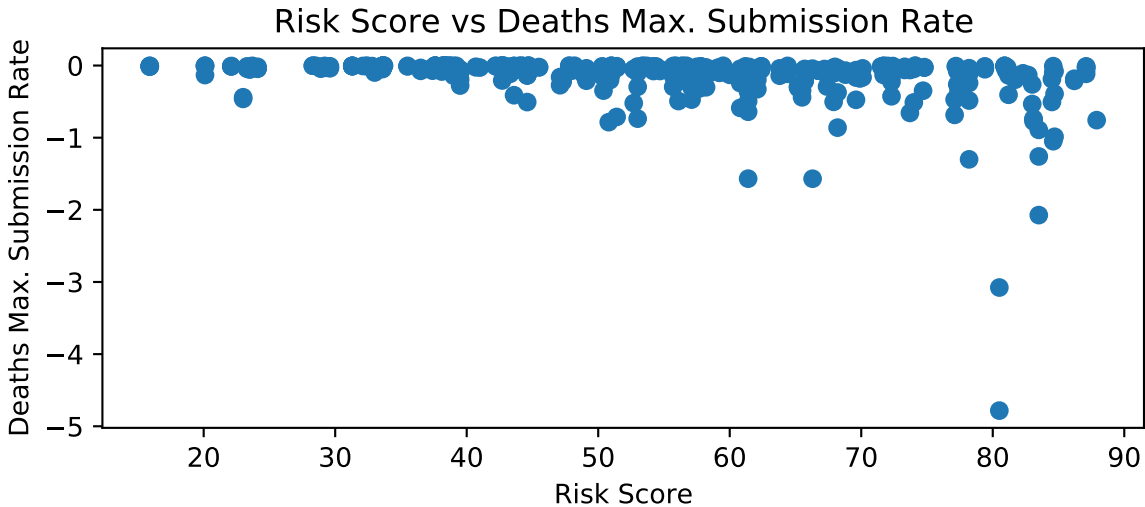


### Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Avg. Submission Rate	0.402	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.487	Relatively Strong
P-Value	0.0	Significant



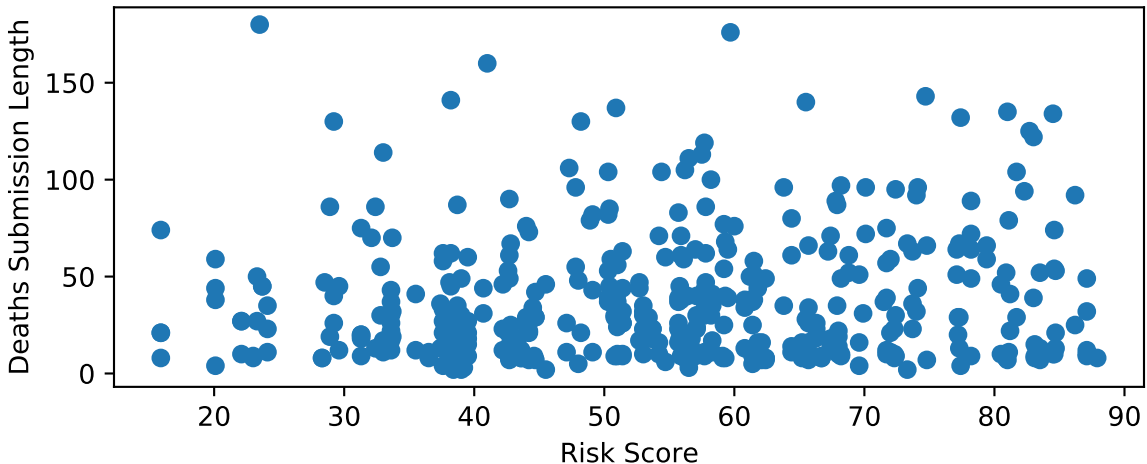
### Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Max. Submission Rate	0.396	0.0

### Spearman Correlation Test

Output	Results	Outcome
Score	-0.479	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Deaths Submission Length



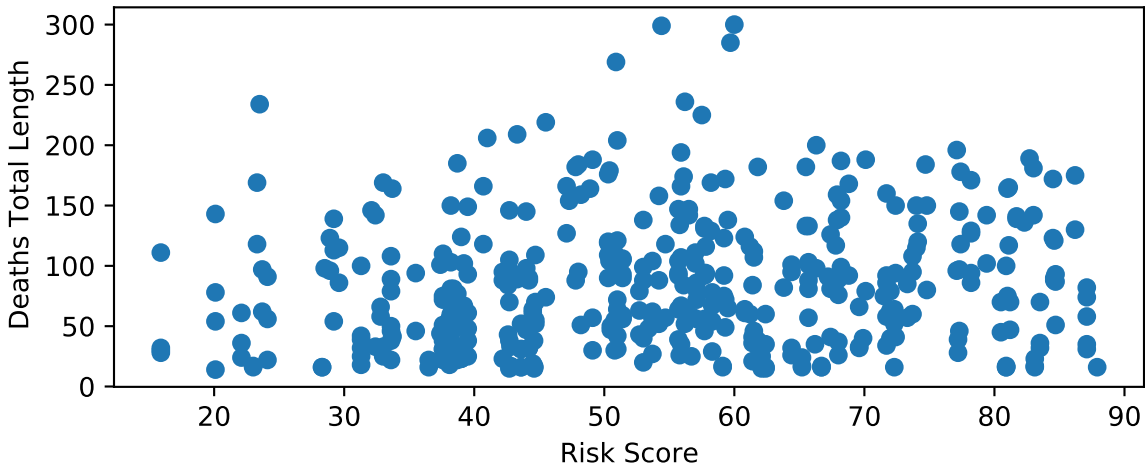
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Submission Length	0.837	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.085	Negligible
P-Value	0.084	Not Significant

Risk Score vs Deaths Total Length



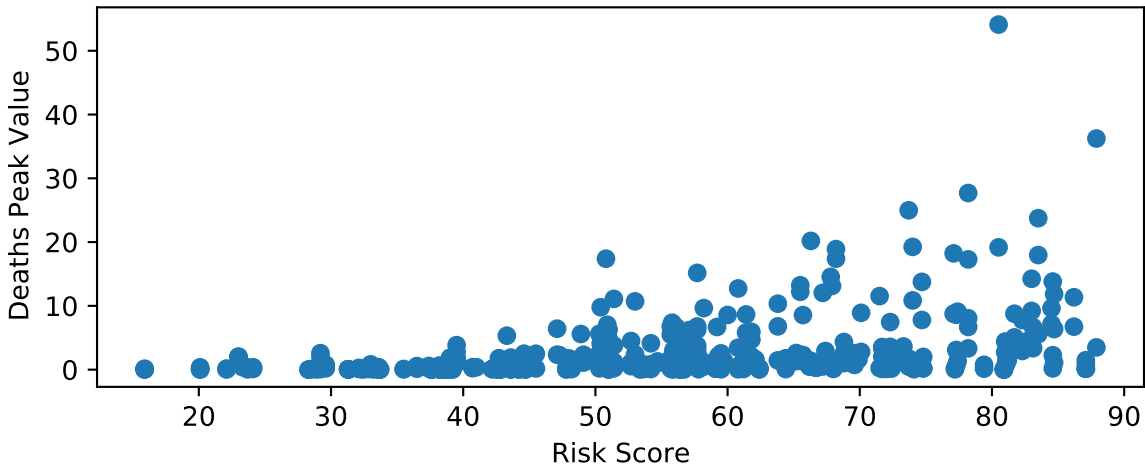
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Total Length	0.918	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.172	Weak
P-Value	0.0	Significant

Risk Score vs Deaths Peak Value



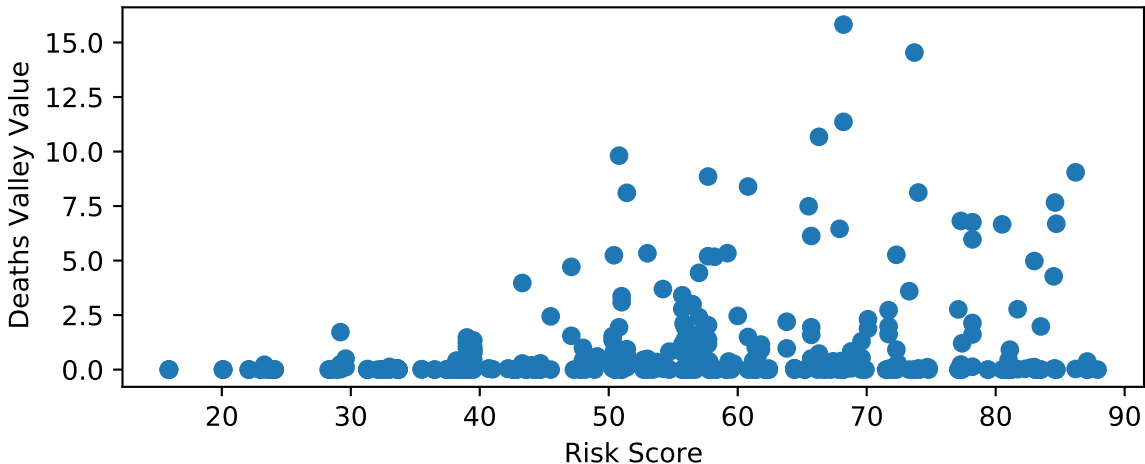
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Peak Value	0.57	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.527	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Deaths Valley Value



Shapiro-Wilk Test

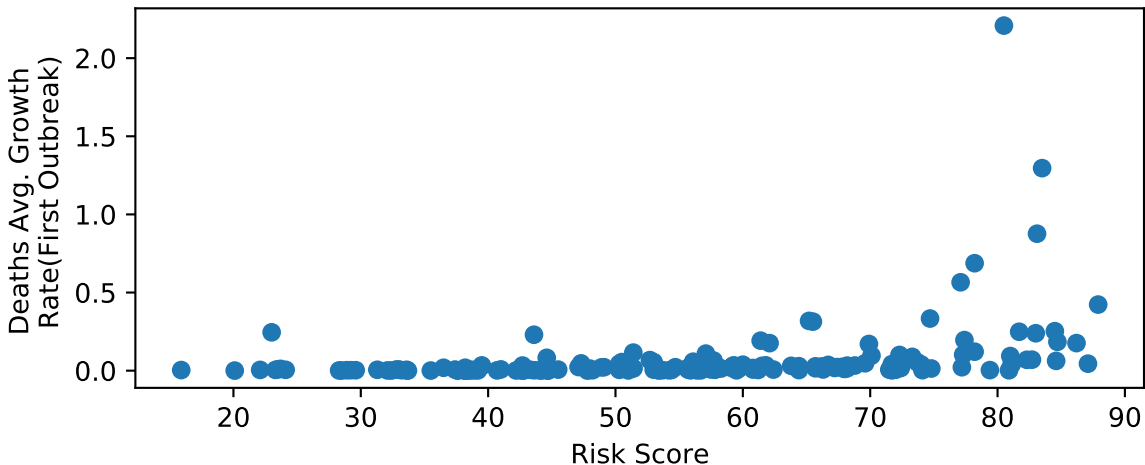
Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Valley Value	0.464	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.207	Moderate
P-Value	0.0	Significant



# Risk Score vs Deaths Avg. Growth Rate(First Outbreak)



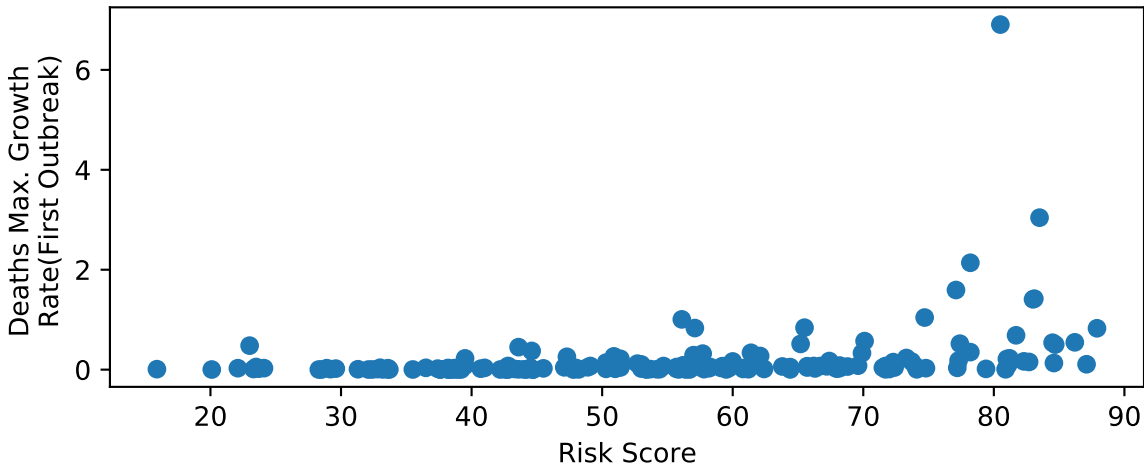
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Avg. Growth Rate(First Outbreak)	0.359	0.0

## Spearman Correlation Test

Output	Results	Outcome
Score	0.606	Strong
P-Value	0.0	Significant

Risk Score vs Deaths Max. Growth Rate(First Outbreak)



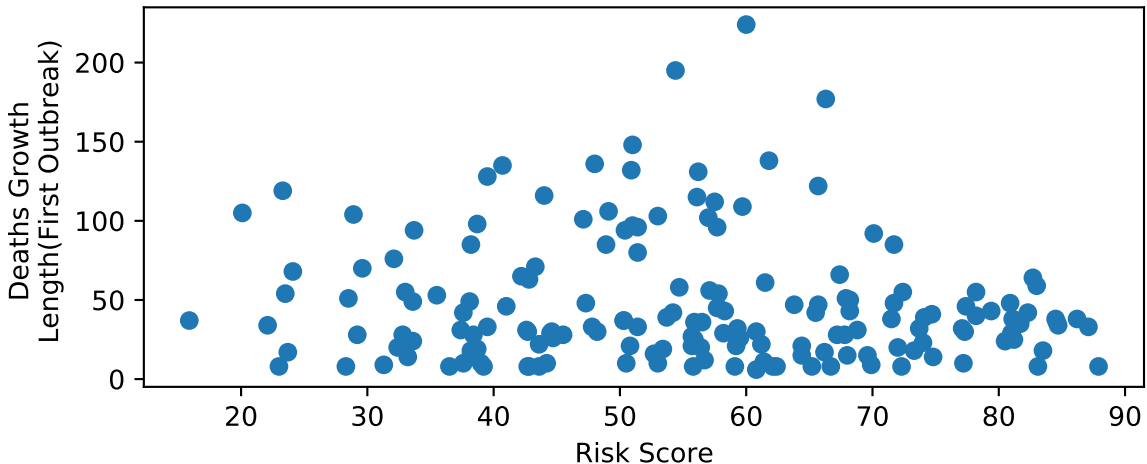
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Max. Growth Rate(First Outbreak)	0.379	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.559	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Deaths Growth Length(First Outbreak)



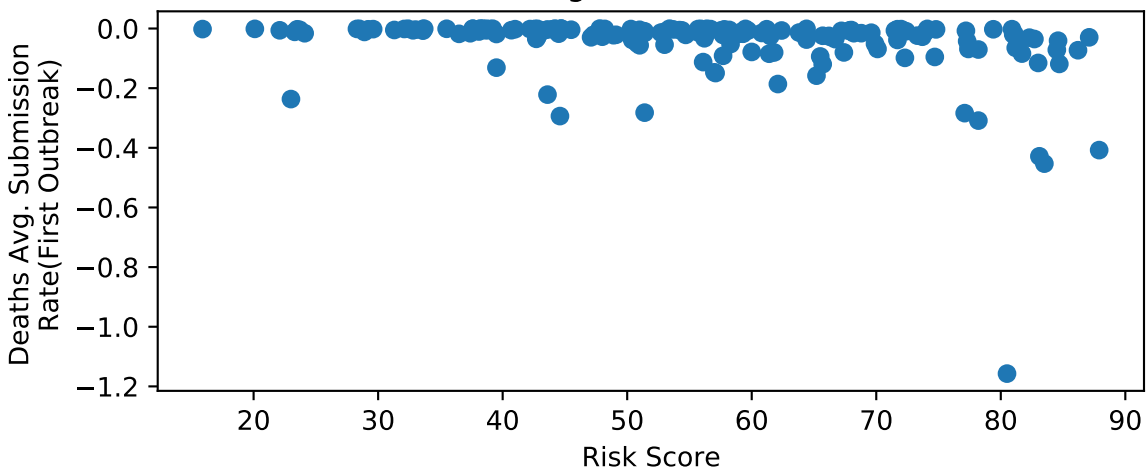
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Growth Length(First Outbreak)	0.819	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	-0.068	Negligible
P-Value	0.378	Not Significant

Risk Score vs Deaths Avg. Submission Rate(First Outbreak)



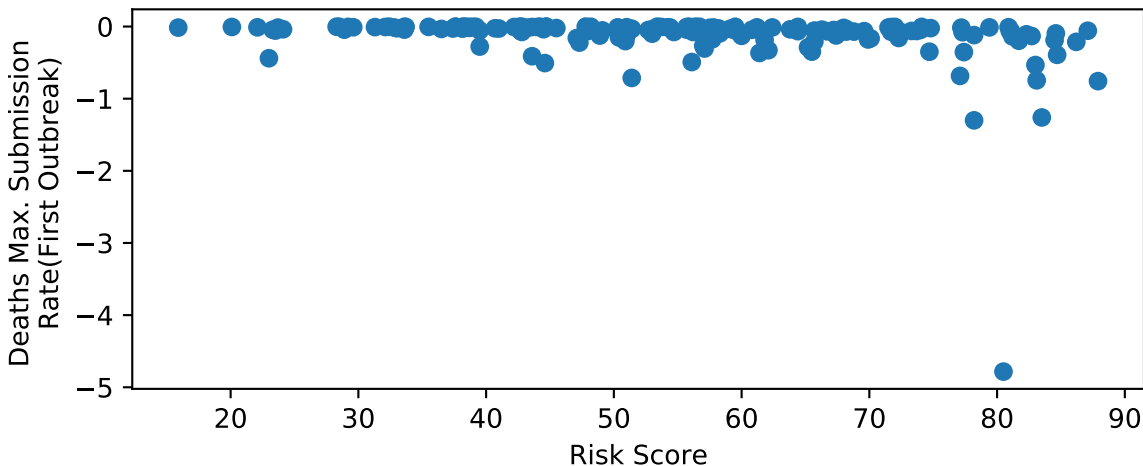
Shapiro-Wilk Test

W	0.99	0.99
W-Statistic	0.99	0.99
Shapiro-Wilk Test(P-Value)	0.99	1

Spearman Correlation Test

Output	Results	Outcome
Score	-0.494	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Deaths Max. Submission Rate(First Outbreak)



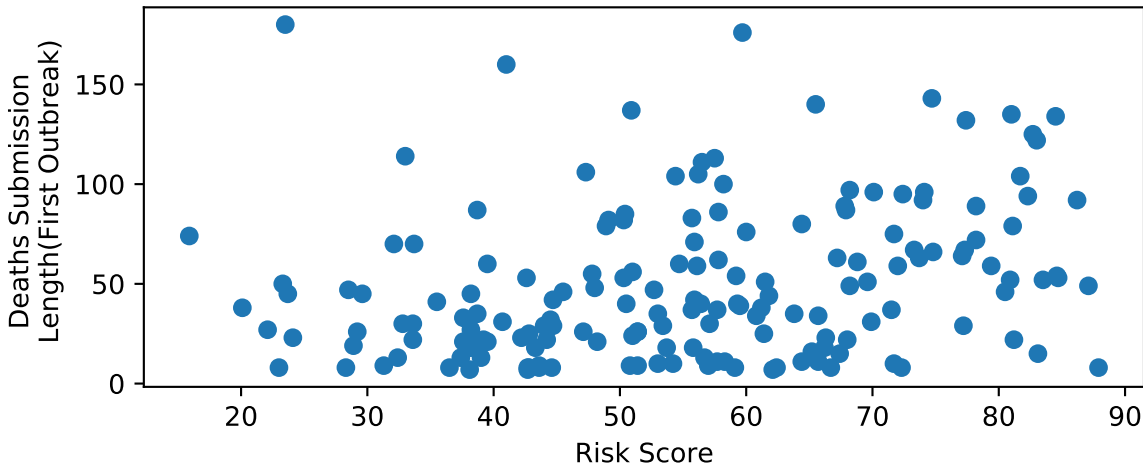
Shapiro-Wilk Test

Test	Statistic	P-Value
Shapiro-Wilk	0.987	0.999
Shapiro-Wilk Test (Normality)	0.987	0.999

Spearman Correlation Test

Output	Results	Outcome
Score	-0.495	Relatively Strong
P-Value	0.0	Significant

Risk Score vs Deaths Submission Length(First Outbreak)



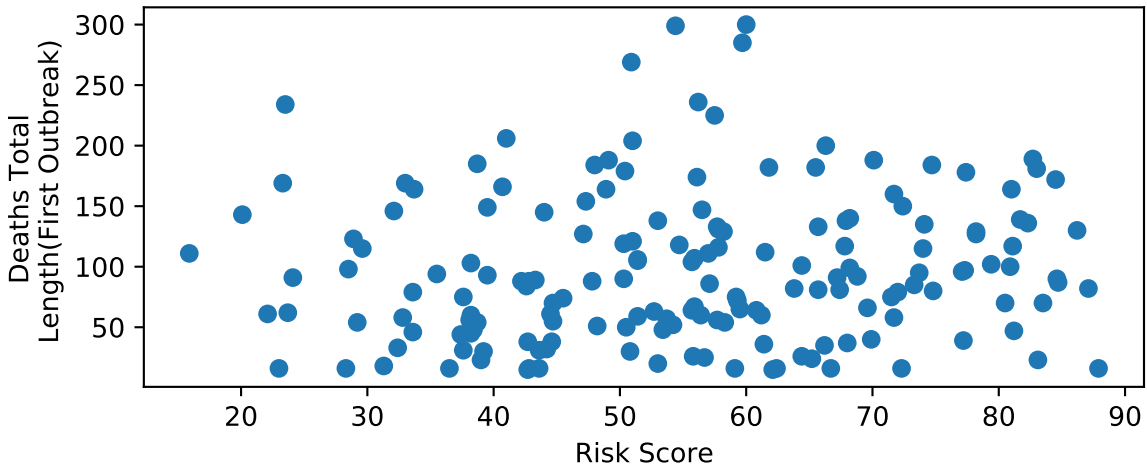
Shapiro-Wilk Test

Null	Value	P-Value
Shapiro-Wilk Test	0.001	0.001
Deaths Submission Length(First Outbreak)	0.001	0.001

Spearman Correlation Test

Output	Results	Outcome
Score	0.31	Moderate
P-Value	0.0	Significant

Risk Score vs Deaths Total Length(First Outbreak)

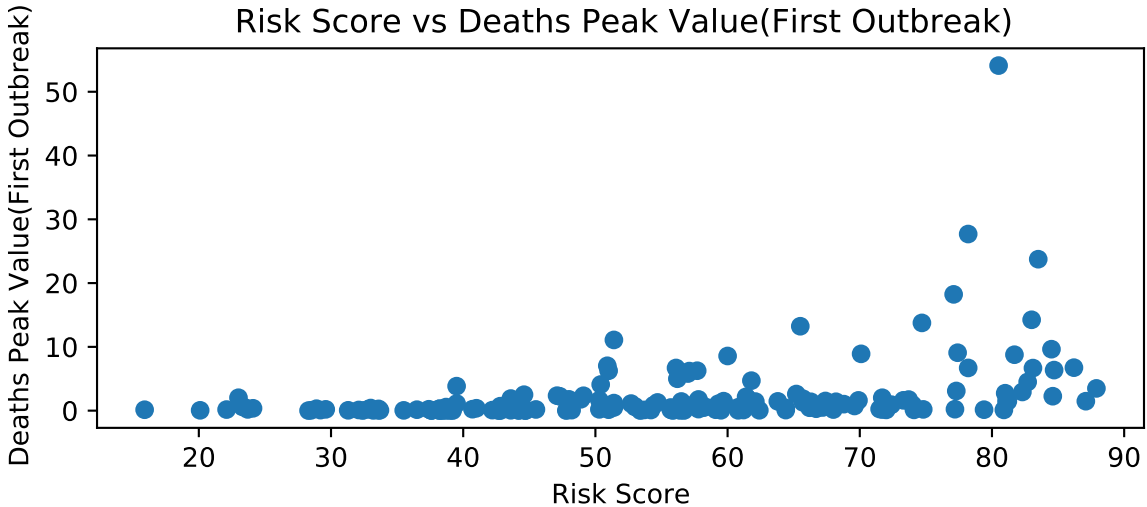


Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Total Length(First Outbreak)	0.926	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.137	Weak
P-Value	0.074	Not Significant



Shapiro-Wilk Test

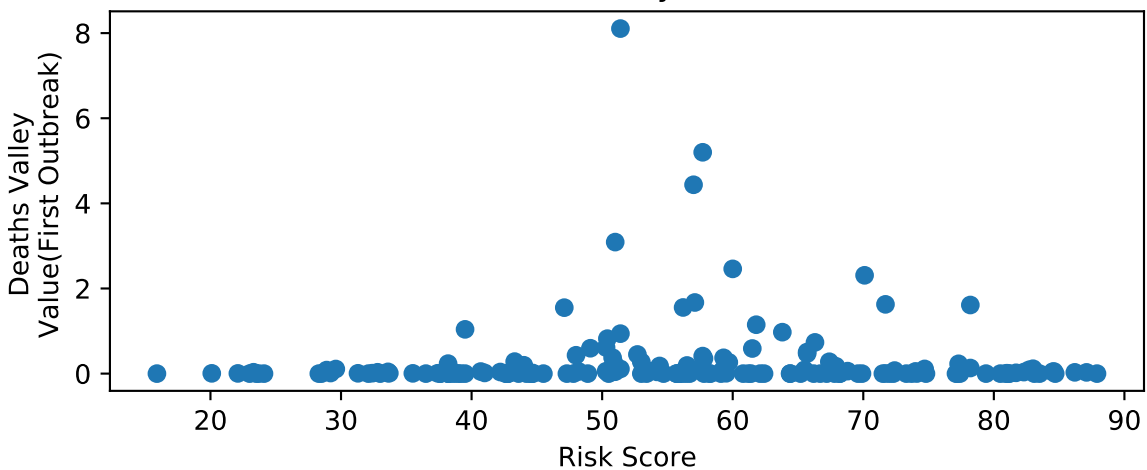
Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Peak Value(First Outbreak)	0.492	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.542	Relatively Strong
P-Value	0.0	Significant



Risk Score vs Deaths Valley Value(First Outbreak)



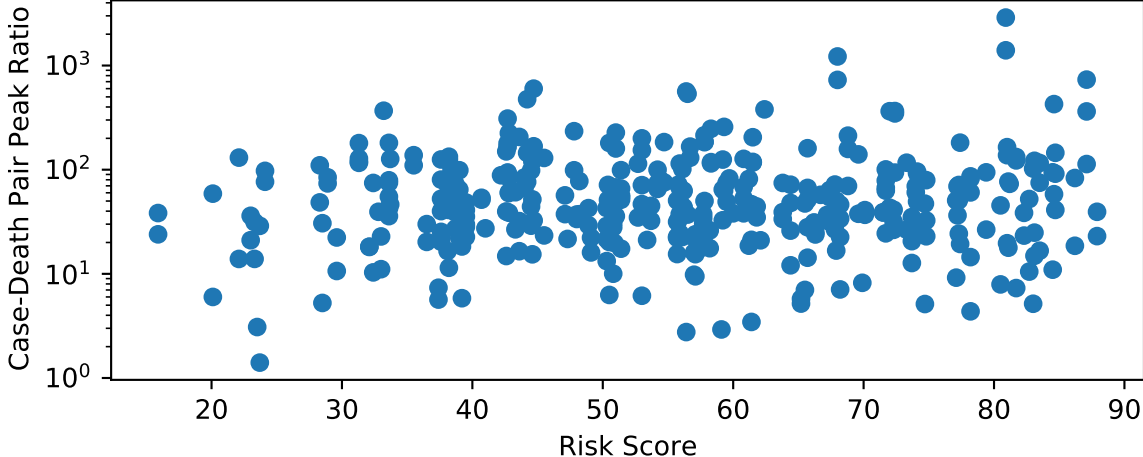
Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Deaths Valley Value(First Outbreak)	0.339	0.0

Spearman Correlation Test

Output	Results	Outcome
Score	0.048	Negligible
P-Value	0.534	Not Significant

# Risk Score vs Case-Death Pair Peak Ratio



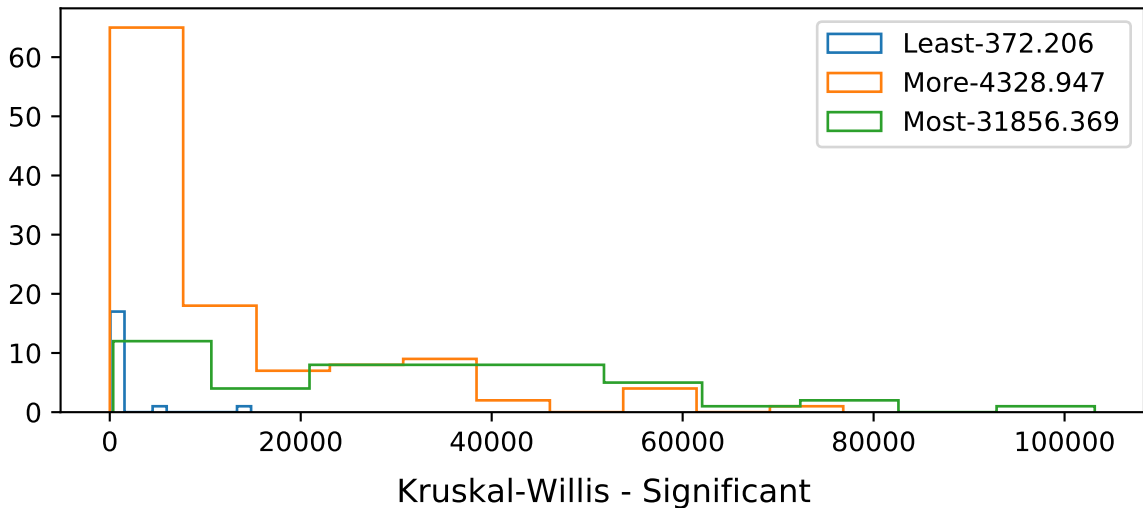
## Shapiro-Wilk Test

Metric	Score	P-Value
Risk Score	0.987	0.079
Case-Death Pair Peak Ratio	0.324	0.0

## Spearman Correlation Test

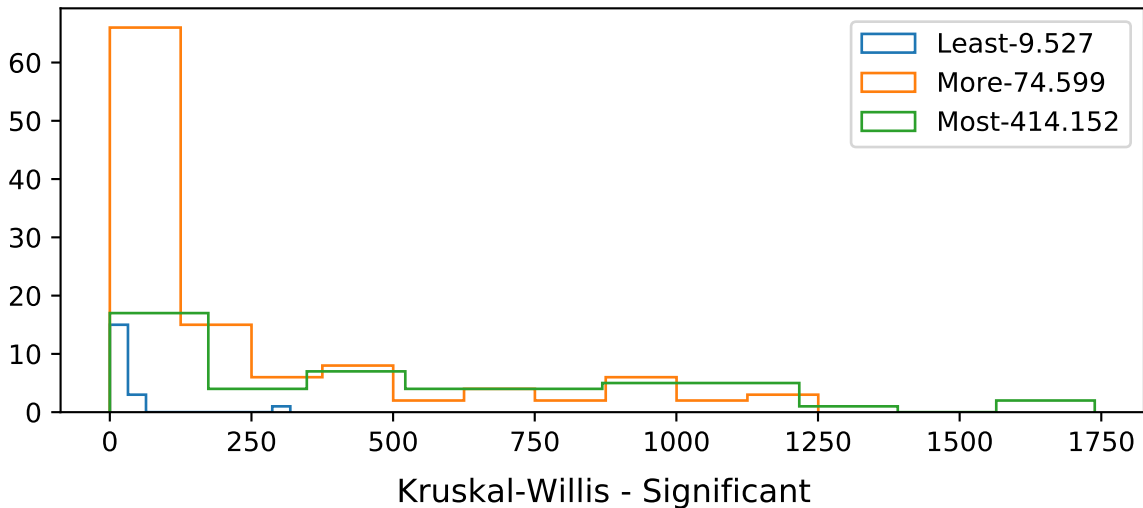
Output	Results	Outcome
Score	0.044	Negligible
P-Value	0.388	Not Significant

# Risk Preparedness vs Total Cases per Million



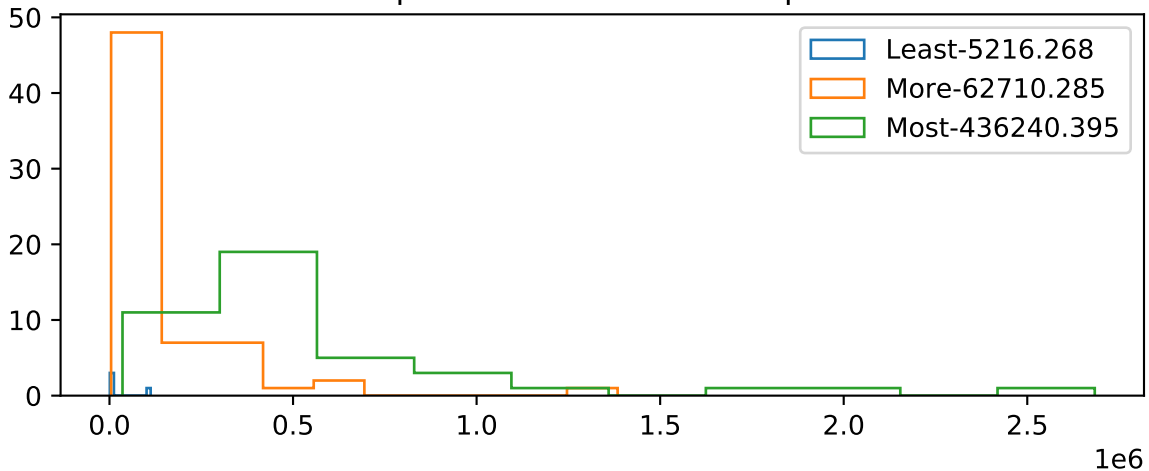
Source	ddof1	H	p-unc
Risk Preparedness	2	52.11608266361668	4.820992328333002e-12

# Risk Preparedness vs Total Deaths per Million



Source	ddof1	H	p-unc
Risk Preparedness	2	30.509834368650054	2.3706838708699745e-07

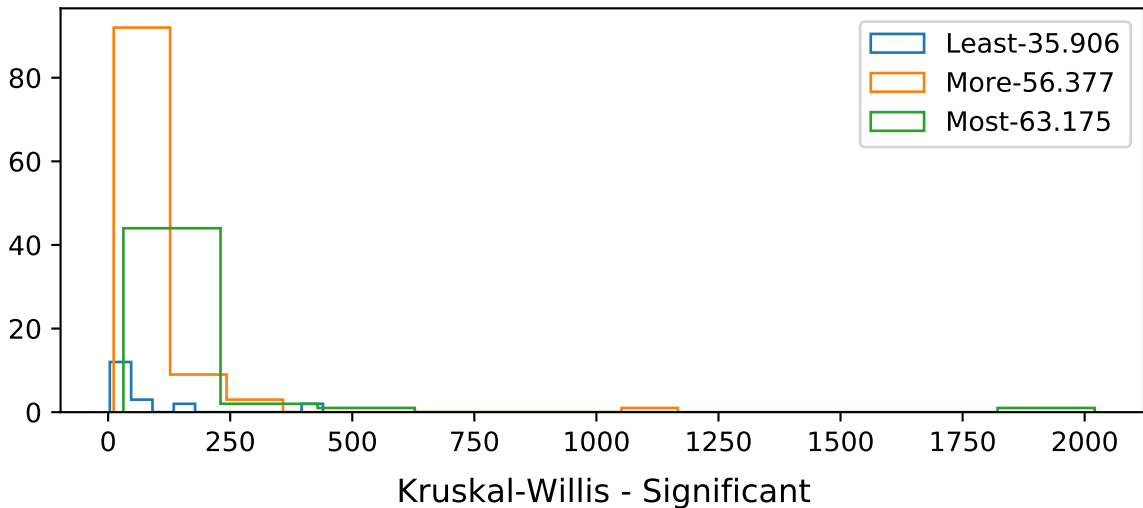
# Risk Preparedness vs Total Tests per Million



Kruskal-Willis - Significant

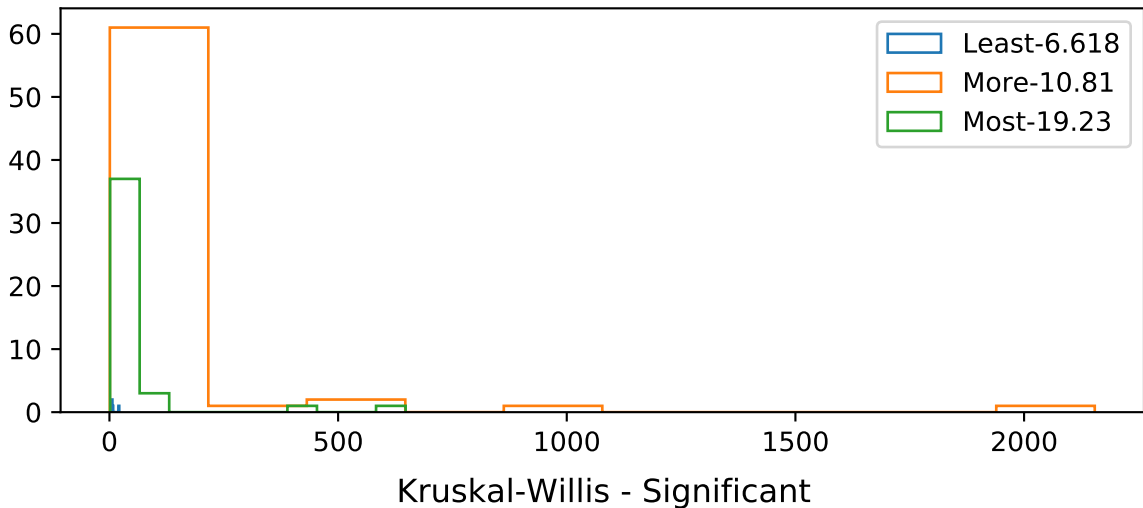
Source	ddof1	H	p-unc
Risk Preparedness	2	50.26856211108742	1.2142844428683208e-11

## Risk Preparedness vs Case-Death Ratio



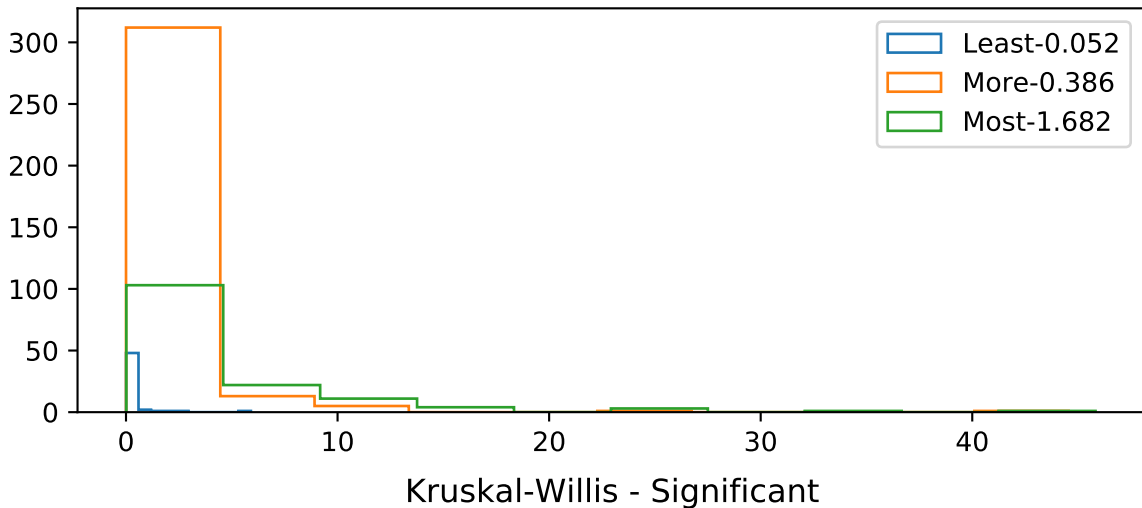
Source	ddof1	H	p-unc
Risk Preparedness	2	8.287041420596779	0.015866890326592827

## Risk Preparedness vs Test-Case Ratio



Source	ddof1	H	p-unc
Risk Preparedness	2	6.444871894856078	0.03985784828650899

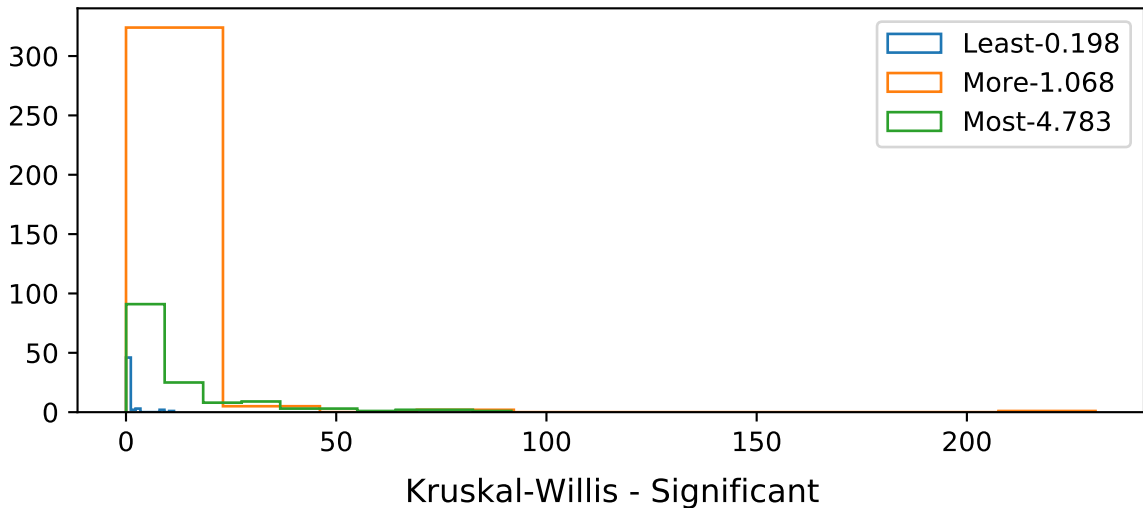
# Risk Preparedness vs Cases Avg. Growth Rate



Source	ddof1	H	p-unc
x	2	117.01954977413129	3.886222207150026e-26

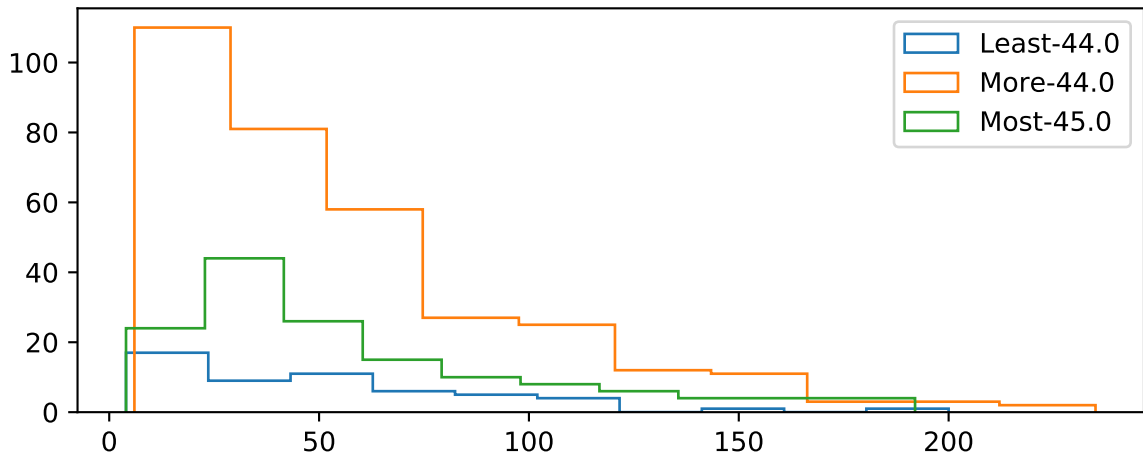


# Risk Preparedness vs Cases Max. Growth Rate



Source	ddof1	H	p-unc
x	2	114.94981754412288	1.0938663747375748e-25

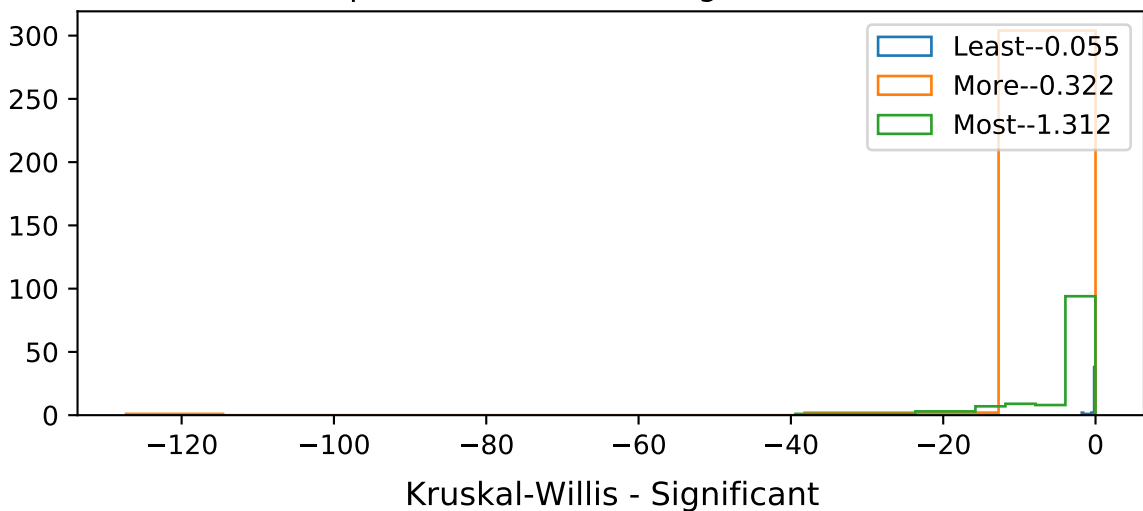
# Risk Preparedness vs Cases Growth Length



Kruskal-Willis - Not Significant

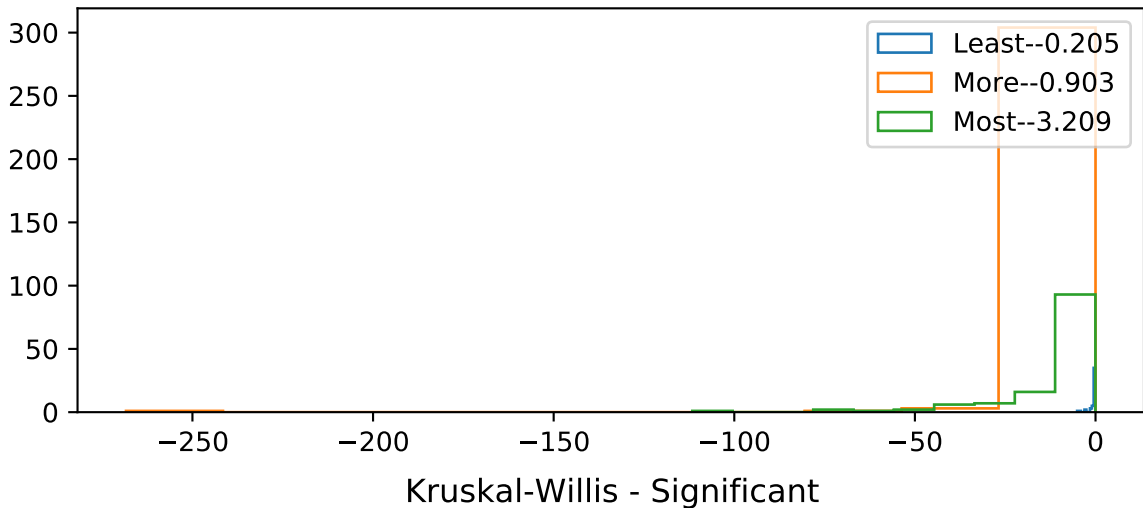
Source	ddof1	H	p-unc
x	2	2.3627116323602686	0.306862407413581

# Risk Prepardness vs Cases Avg. Submission Rate



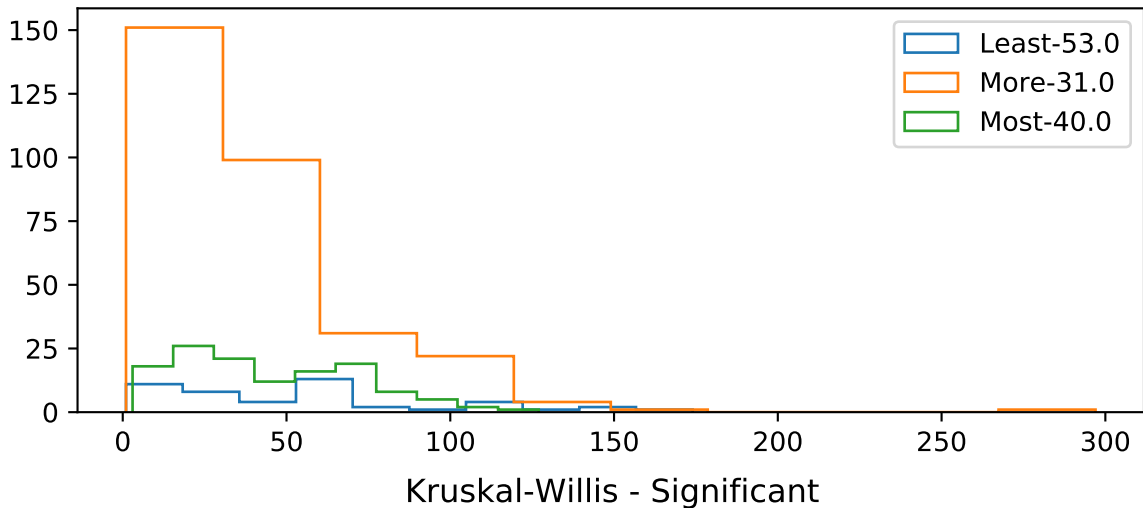
Source	ddof1	H	p-unc
x	2	88.20182113350037	7.034251533858508e-20

# Risk Preparedness vs Cases Max. Submission Rate



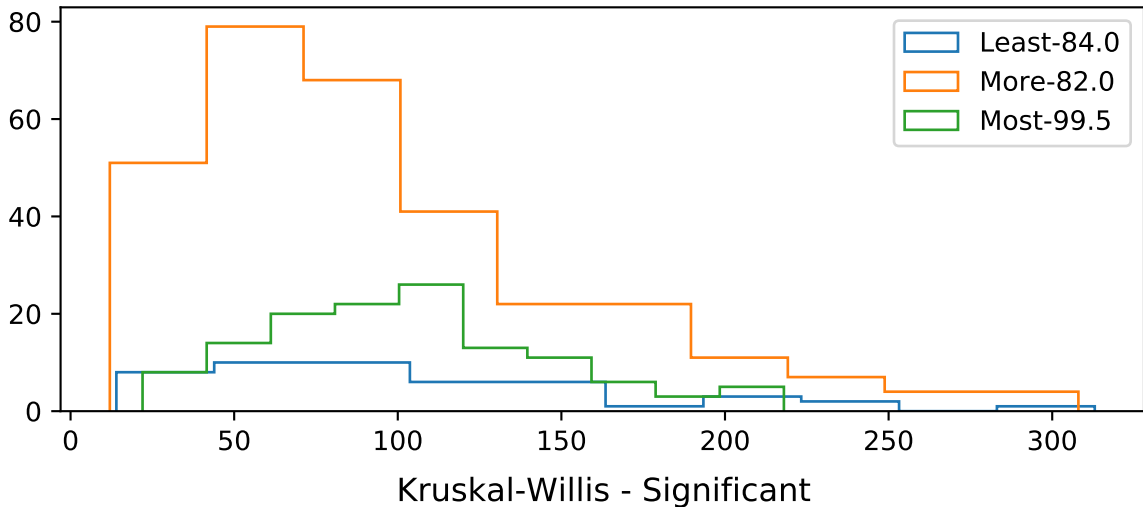
Source	ddof1	H	p-unc
x	2	82.06112064676209	1.5158424401383274e-18

# Risk Preparedness vs Cases Submission Length



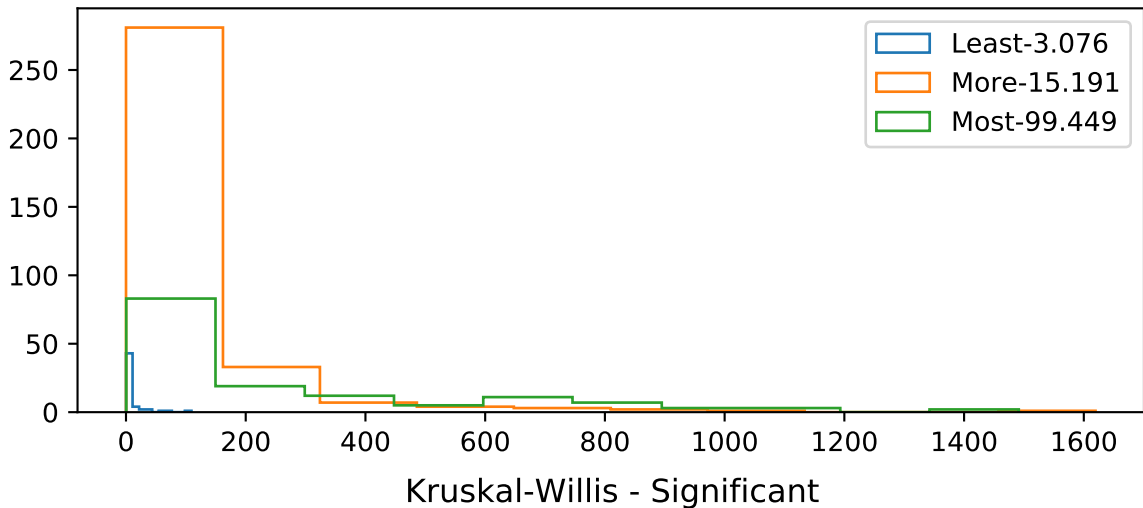
Source	ddof1	H	p-unc
x	2	7.567111235341924	0.022741686756320073

# Risk Preparedness vs Cases Total Length



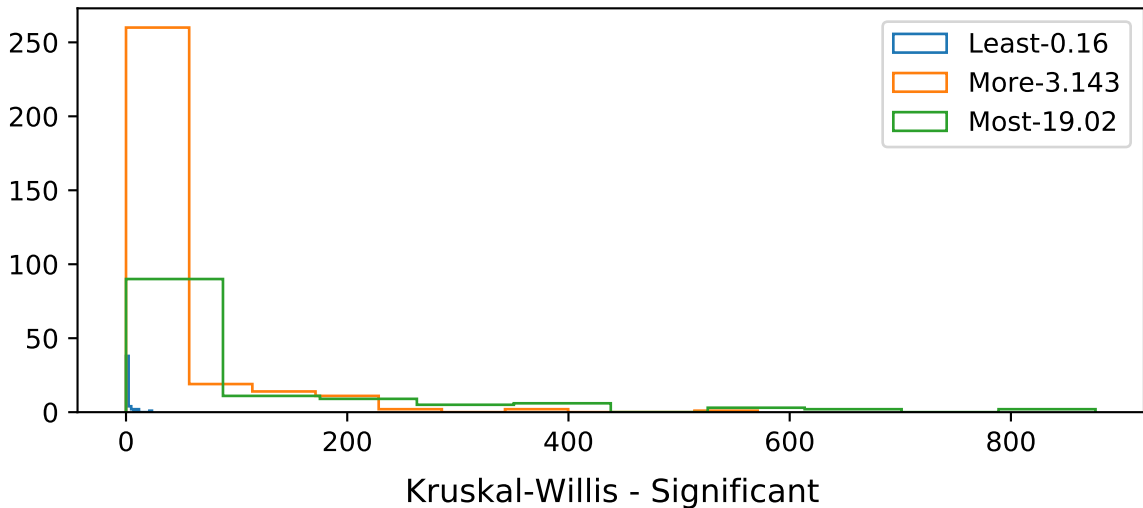
Source	ddof1	H	p-unc
x	2	7.945307652368975	0.018823412726198713

## Risk Preparedness vs Cases Peak Value



Source	ddof1	H	p-unc
x	2	117.14880142074662	3.6430152621817376e-26

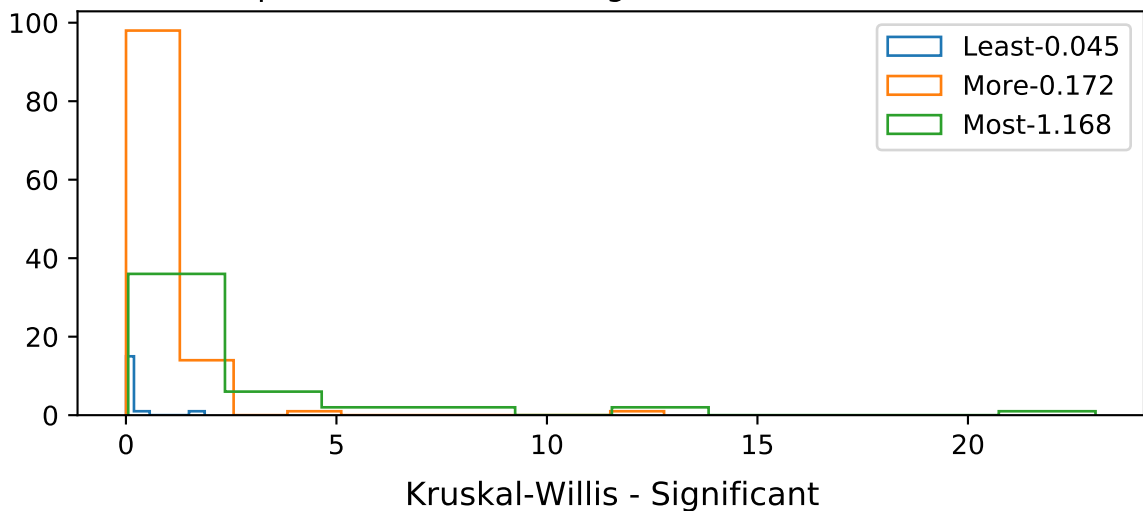
## Risk Preparedness vs Cases Valley Value



Source	ddof1	H	p-unc
x	2	47.40159340257201	5.0918403222380786e-11

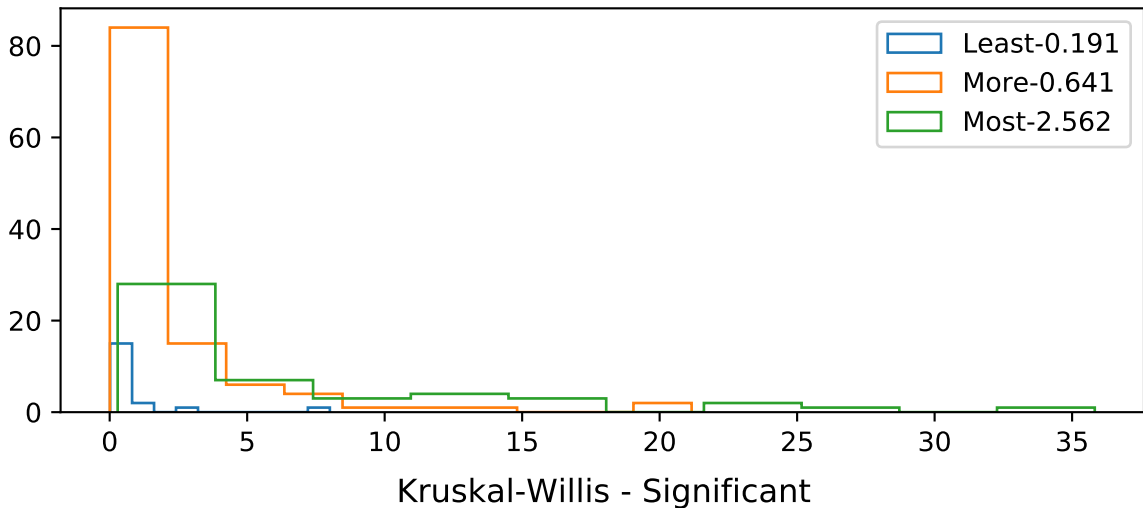


# Risk Preparedness vs Cases Avg. Growth Rate(First Outbreak)



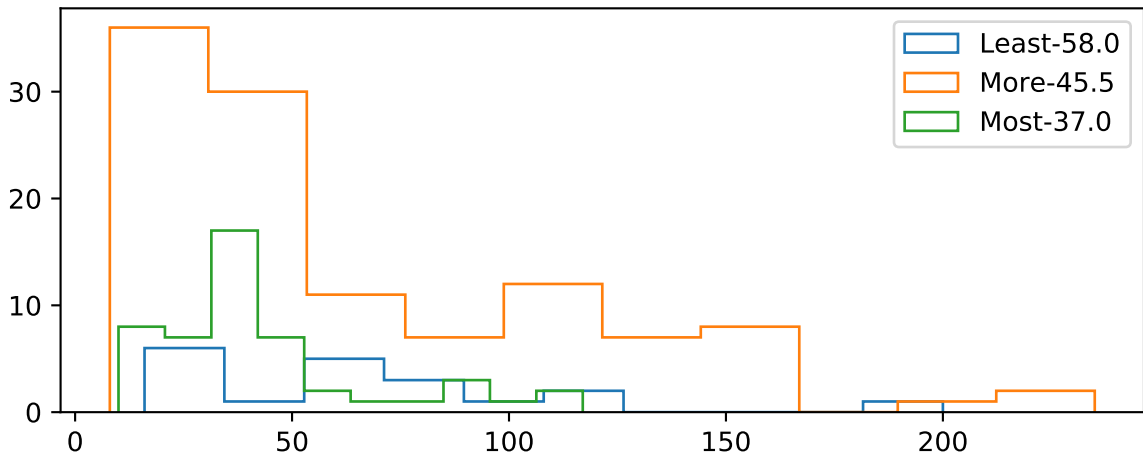
Source	ddof1	H	p-unc
Risk Preparedness	2	47.10466898646371	5.906784052164597e-11

# Risk Preparedness vs Cases Max. Growth Rate(First Outbreak)



Source	ddof1	H	p-unc
Risk Preparedness	2	42.13876986002845	7.07428232291079e-10

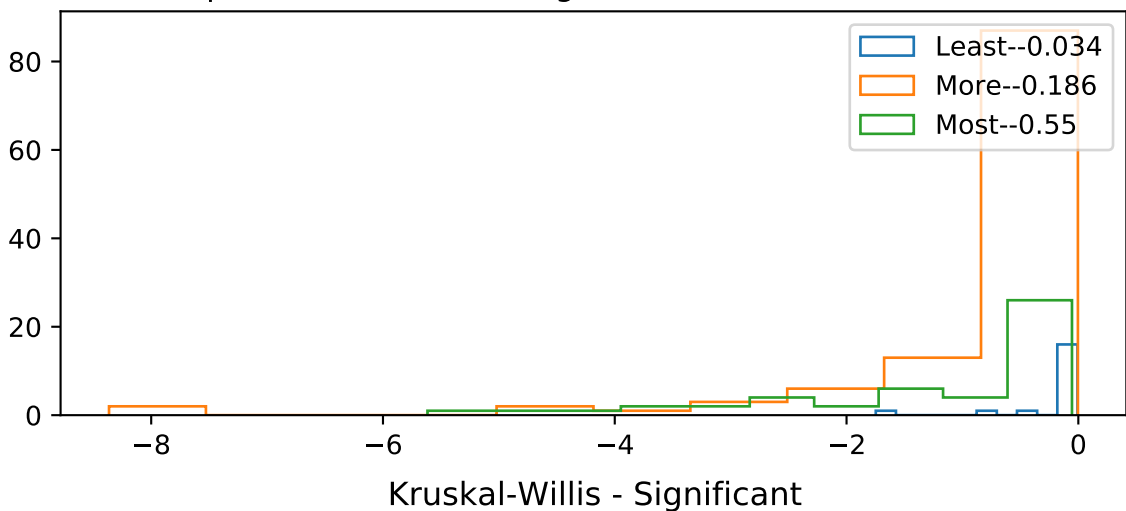
# Risk Preparedness vs Cases Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

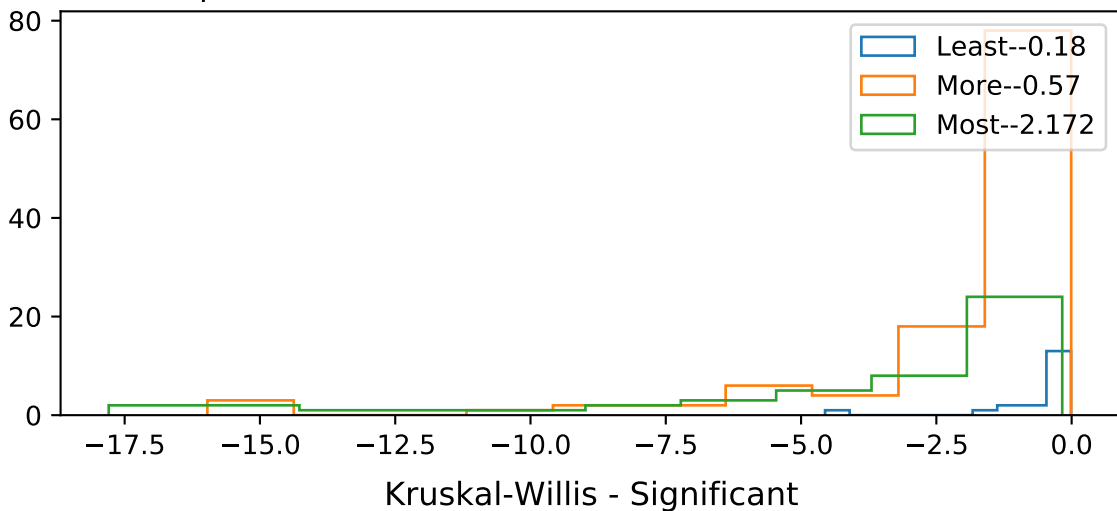
Source	ddof1	H	p-unc
Risk Preparedness	2	4.894281611475623	0.08654066968784532

# Risk Preparedness vs Cases Avg. Submission Rate(First Outbreak)



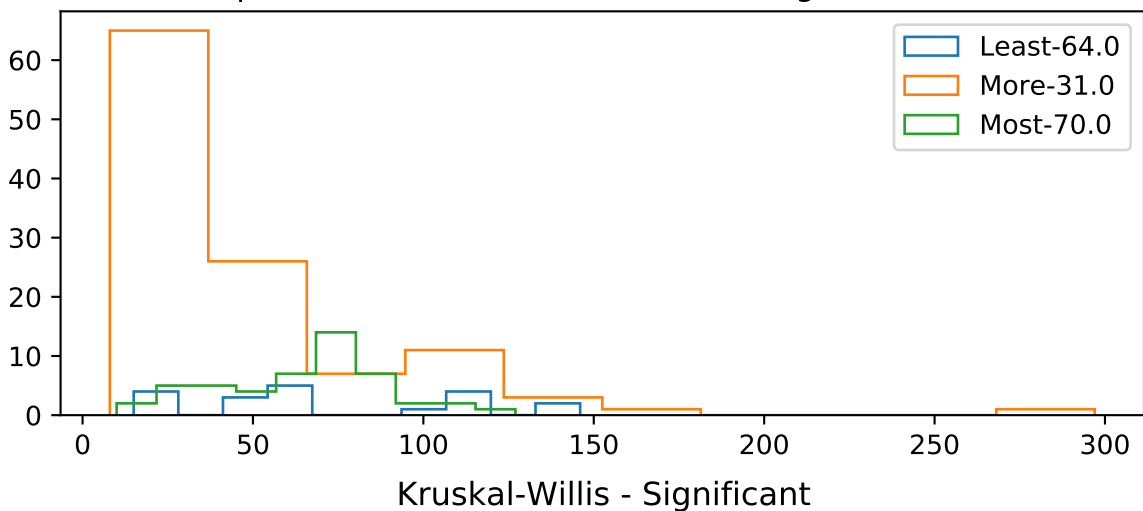
Source	ddof1	H	p-unc
Risk Preparedness	2	30.28008932953378	2.659268237310171e-07

Risk Prepardness vs Cases Max. Submission Rate(First Outbreak)



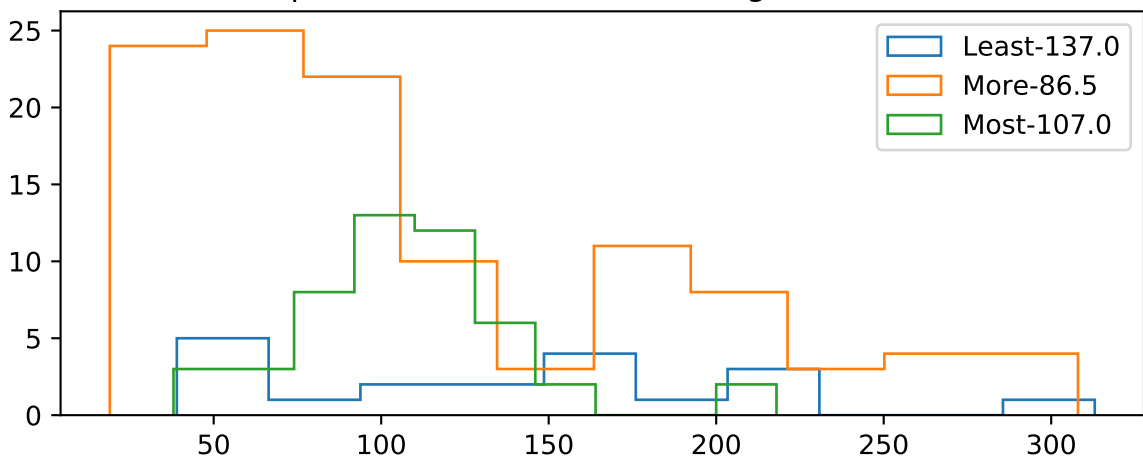
Source	ddof1	H	p-unc
Risk Prepardness	2	29.228503162066545	4.498950151653147e-07

# Risk Preparedness vs Cases Submission Length(First Outbreak)



Source	ddof1	H	p-unc
Risk Preparedness	2	26.45029283894104	1.8046454366382958e-06

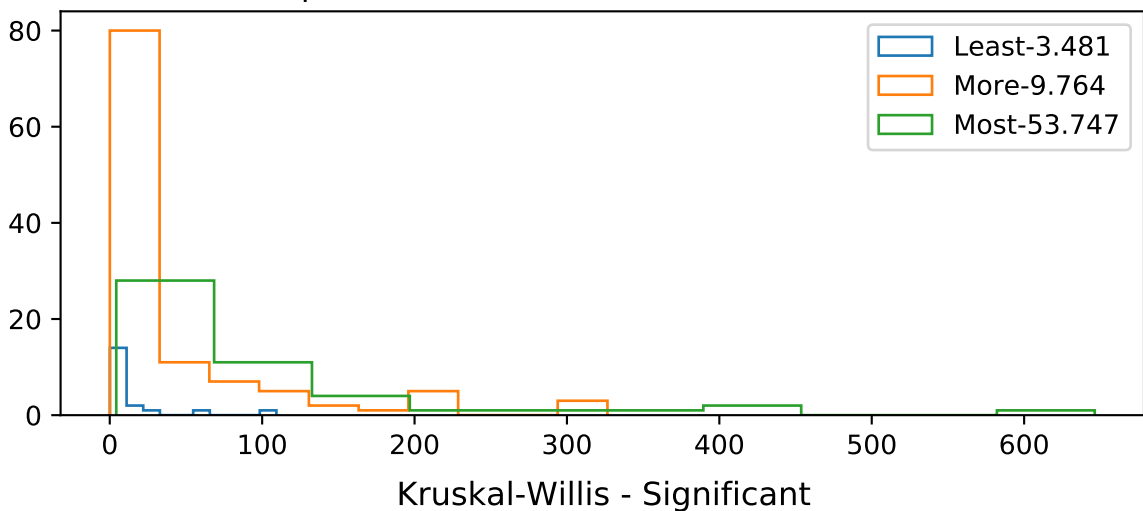
# Risk Preparedness vs Cases Total Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Risk Preparedness	2	5.030220981670319	0.08085397808957866

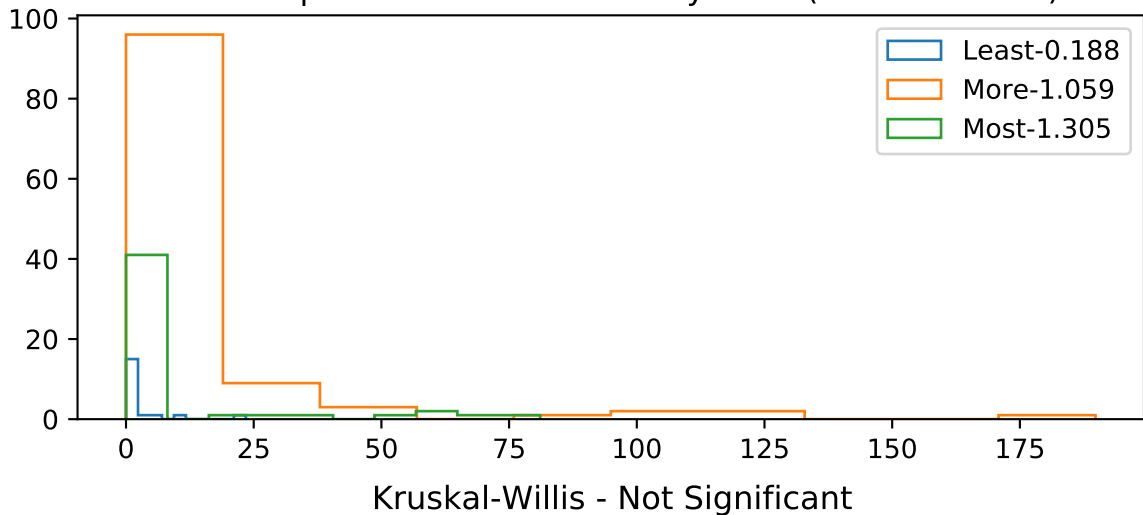
# Risk Preparedness vs Cases Peak Value(First Outbreak)



Source	ddof1	H	p-unc
Risk Preparedness	2	30.976599372172586	1.8772275198296375e-07

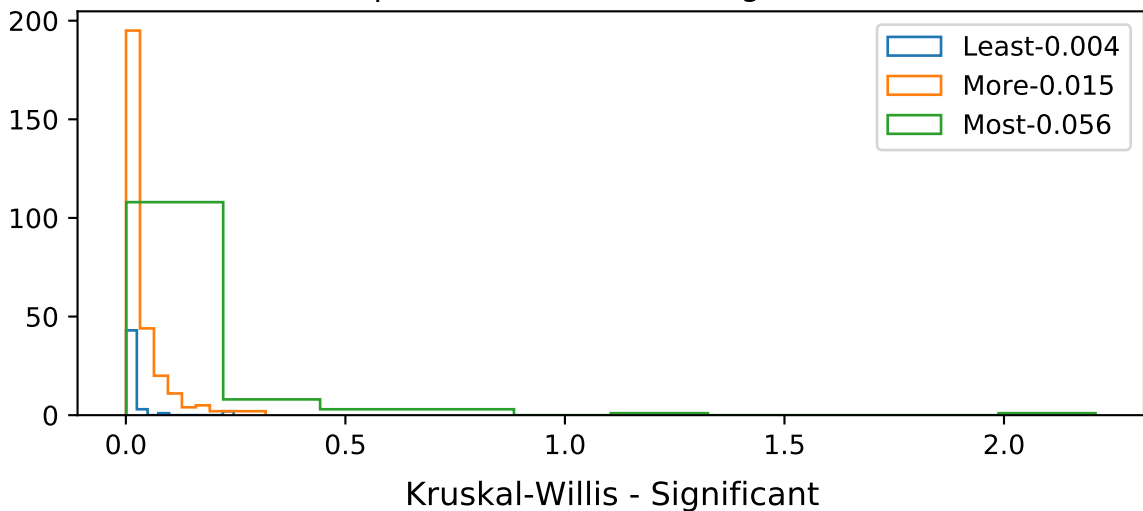


# Risk Preparedness vs Cases Valley Value(First Outbreak)



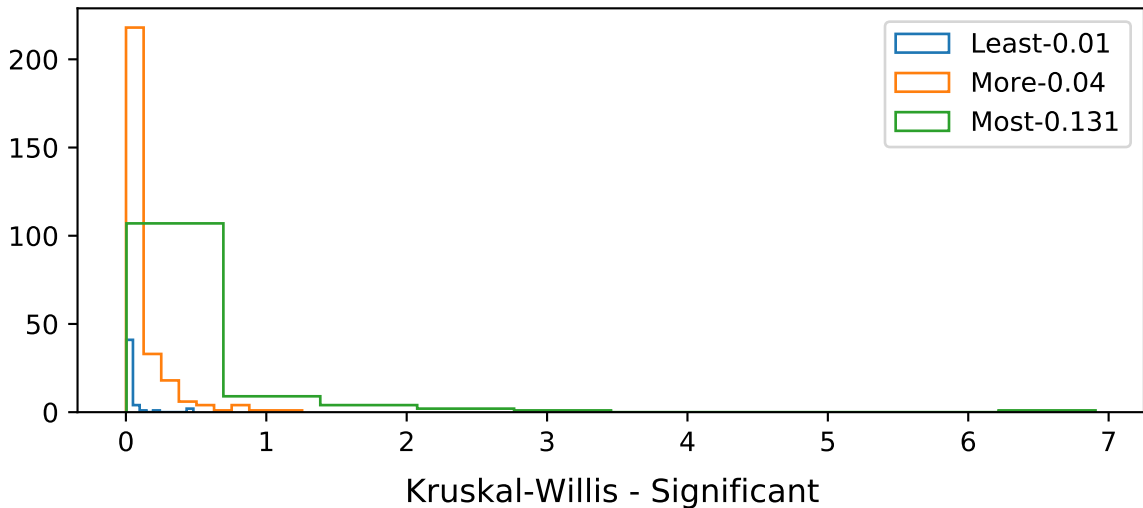
Source	ddof1	H	p-unc
Risk Preparedness	2	2.4159186898043434	0.29880641853834283

# Risk Preparedness vs Deaths Avg. Growth Rate



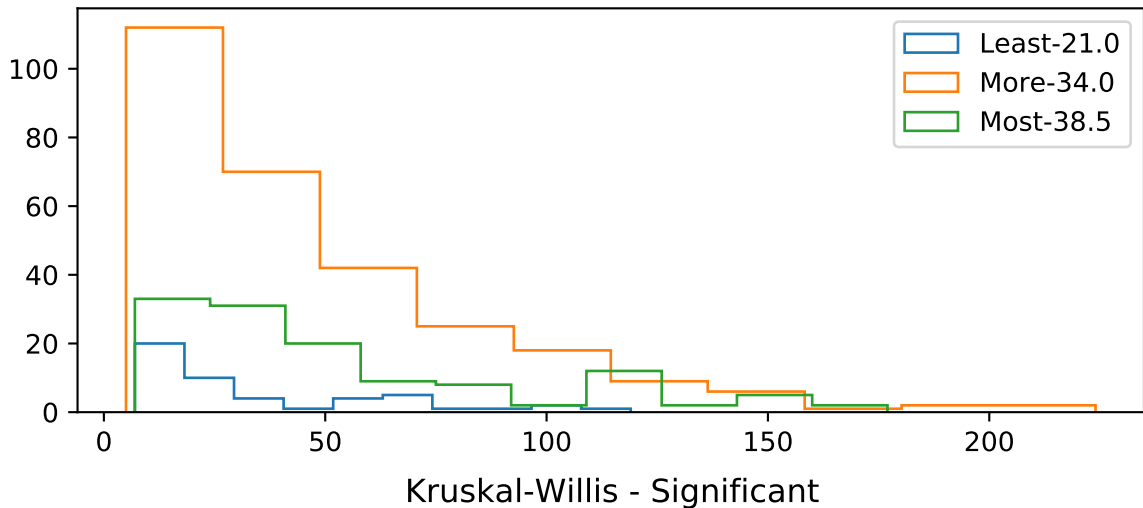
Source	ddof1	H	p-unc
x	2	66.74519217143035	3.2097090974741684e-15

# Risk Preparedness vs Deaths Max. Growth Rate



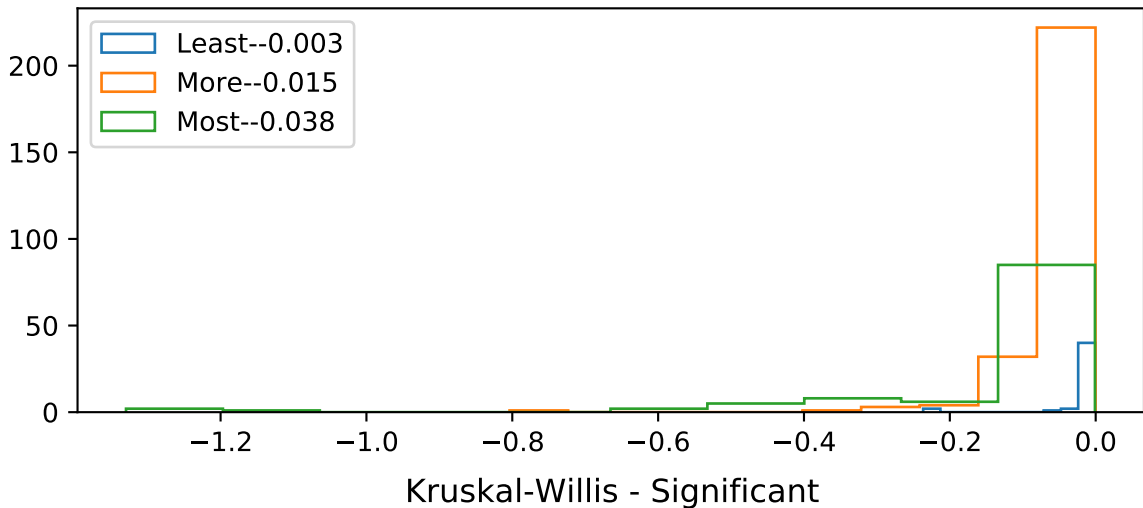
Source	ddof1	H	p-unc
x	2	66.22407898525039	4.165085910952767e-15

Risk Preparedness vs Deaths Growth Length



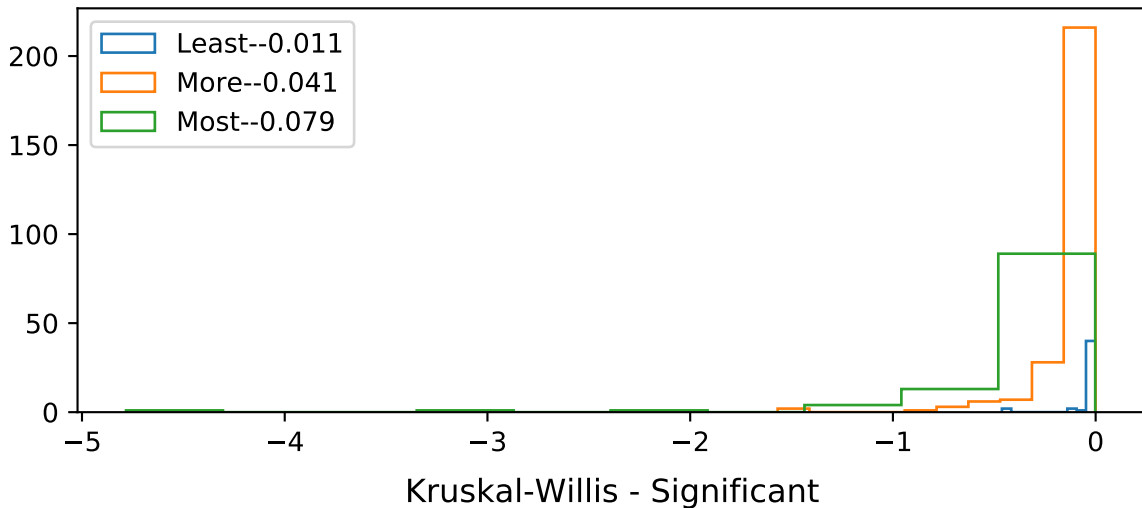
Source	ddof1	H	p-unc
x	2	8.916302572941243	0.011583758555676945

# Risk Preparedness vs Deaths Avg. Submission Rate



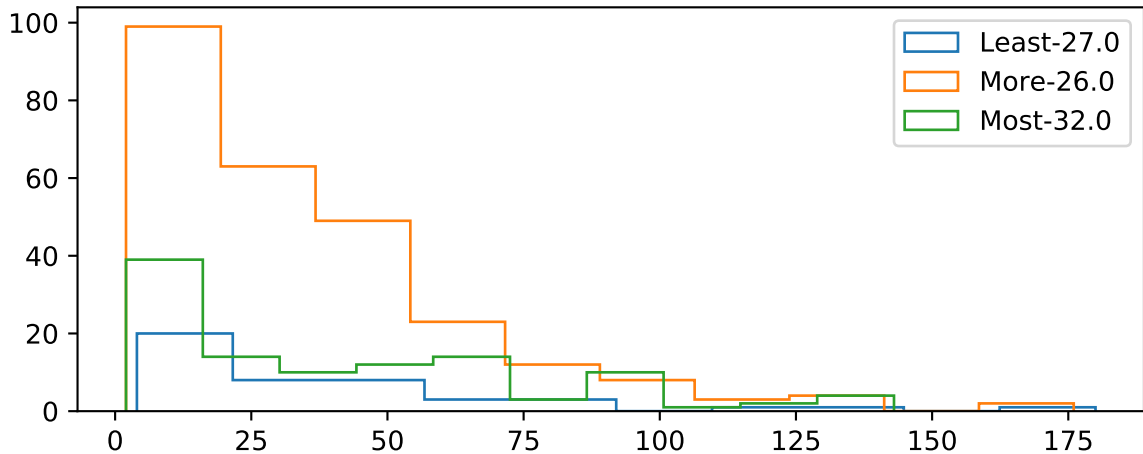
Source	ddof1	H	p-unc
x	2	49.12874075681745	2.1469873877627976e-11

# Risk Prepardness vs Deaths Max. Submission Rate



Source	ddof1	H	p-unc
x	2	46.35271902744175	8.602703456039722e-11

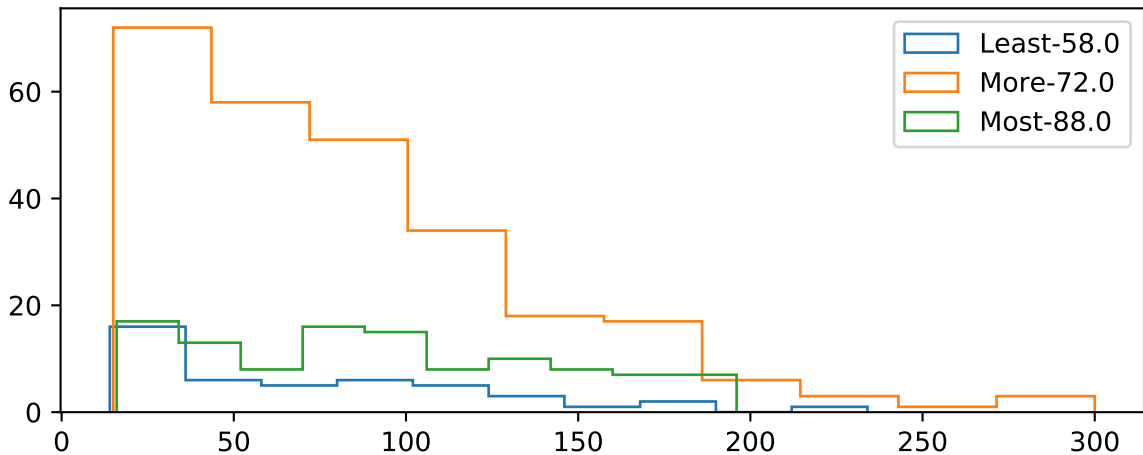
# Risk Preparedness vs Deaths Submission Length



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	1.7554163367559785	0.41573461442950166

# Risk Preparedness vs Deaths Total Length

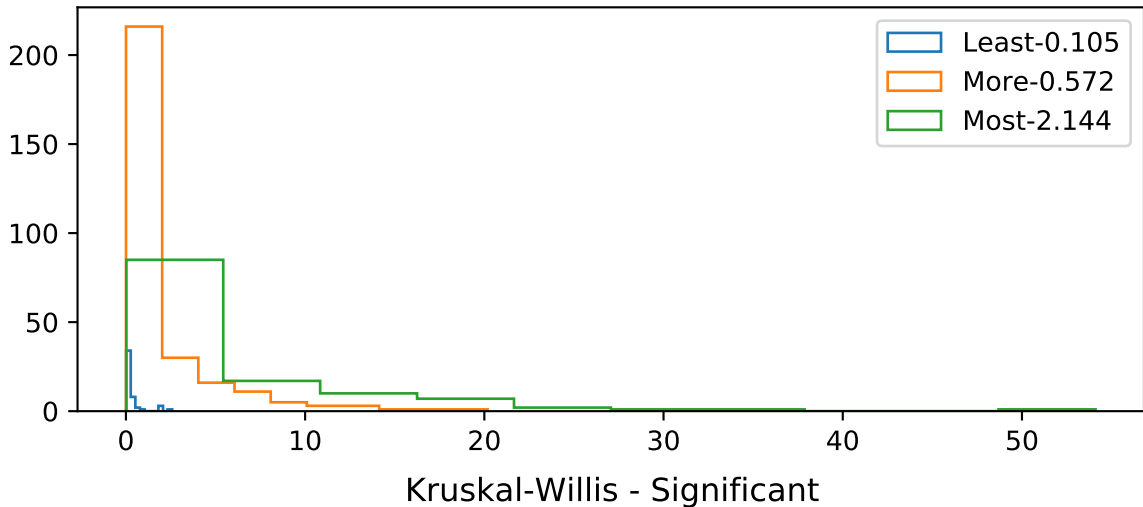


Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	5.909227549796058	0.05209877854673974

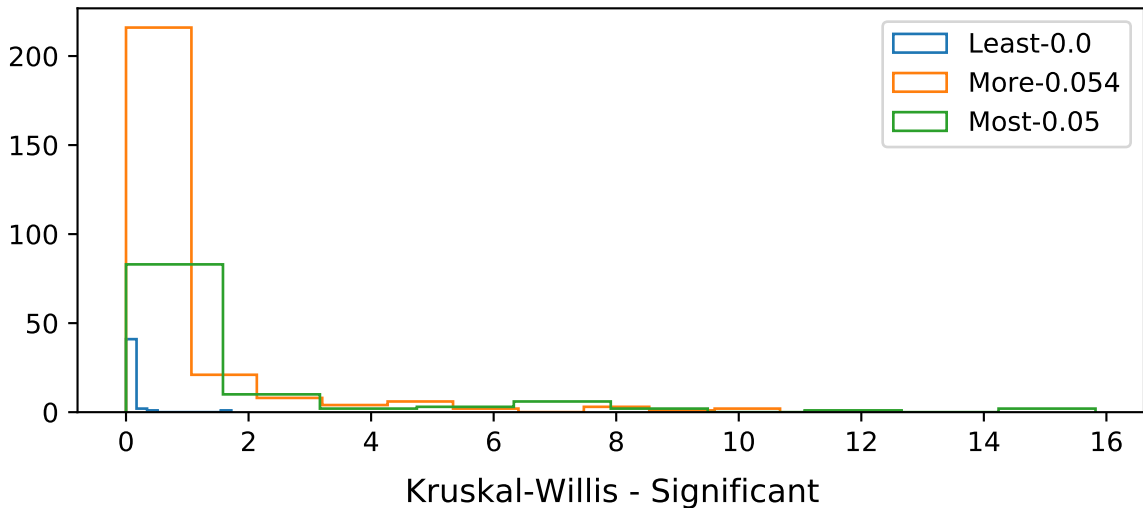


## Risk Preparedness vs Deaths Peak Value



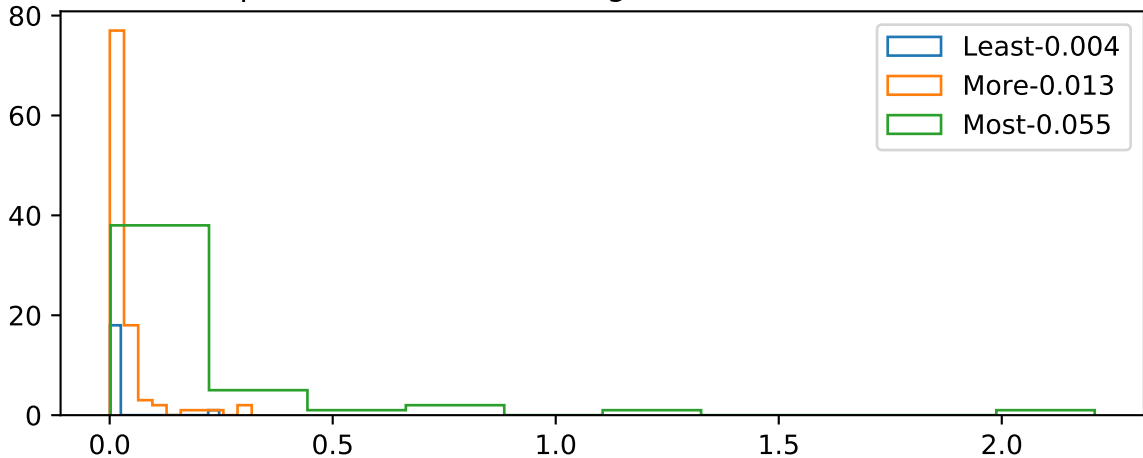
Source	ddof1	H	p-unc
x	2	69.02936068039318	1.0243887105297196e-15

## Risk Preparedness vs Deaths Valley Value



Source	ddof1	H	p-unc
x	2	18.49192622388299	9.650042823686158e-05

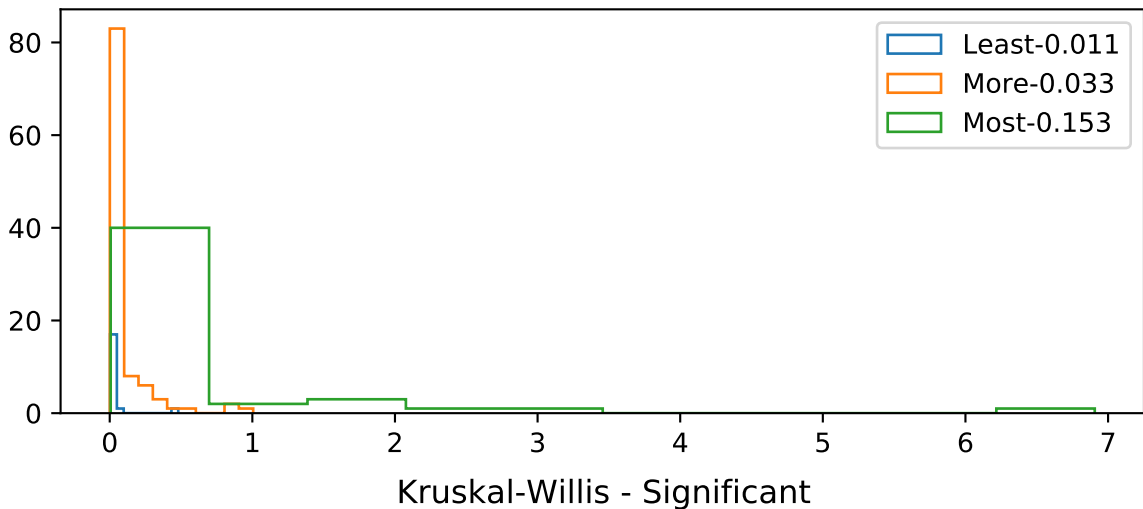
# Risk Preparedness vs Deaths Avg. Growth Rate(First Outbreak)



Kruskal-Willis - Significant

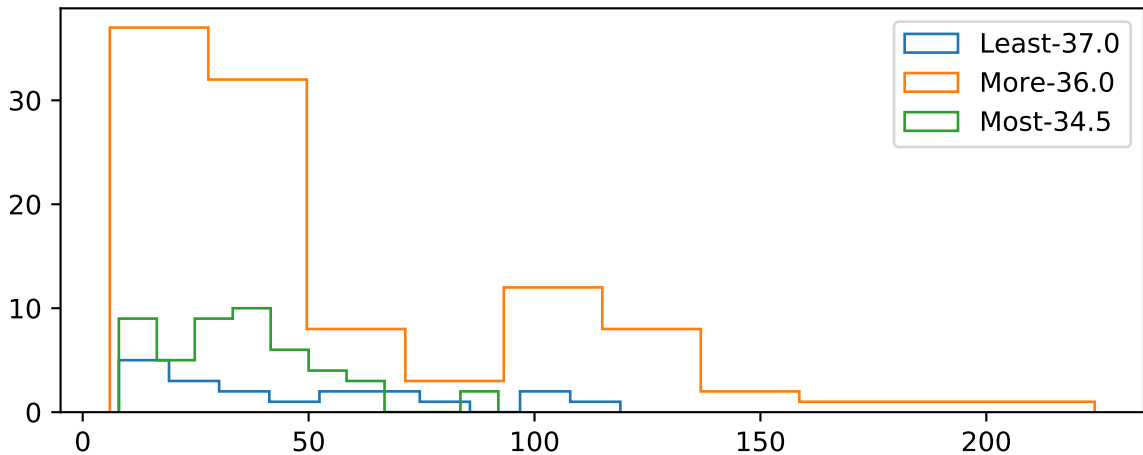
Source	ddof1	H	p-unc
Risk Preparedness	2	41.021348079669565	1.2368796503333623e-09

Risk Preparedness vs Deaths Max. Growth Rate(First Outbreak)



Source	ddof1	H	p-unc
Risk Preparedness	2	35.868673431124535	1.626359413788907e-08

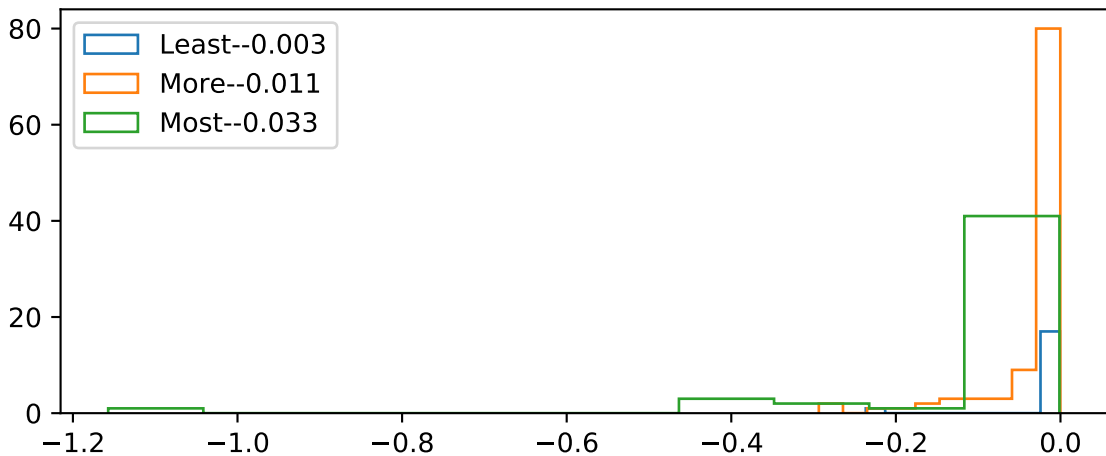
# Risk Preparedness vs Deaths Growth Length(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Risk Preparedness	2	1.5673856579029697	0.45671631810931035

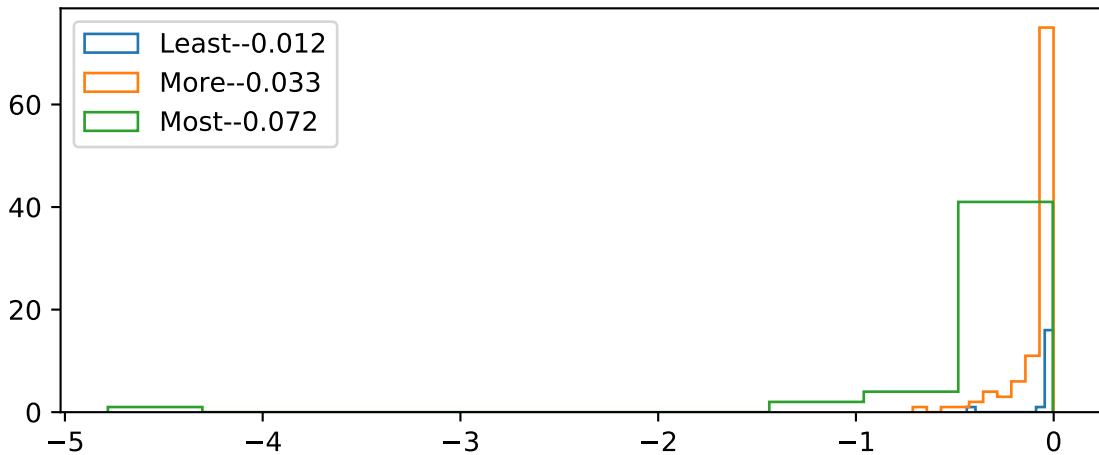
# Risk Prepardness vs Deaths Avg. Submission Rate(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Risk Prepardness	2	22.31897321231679	1.4239559219327994e-05

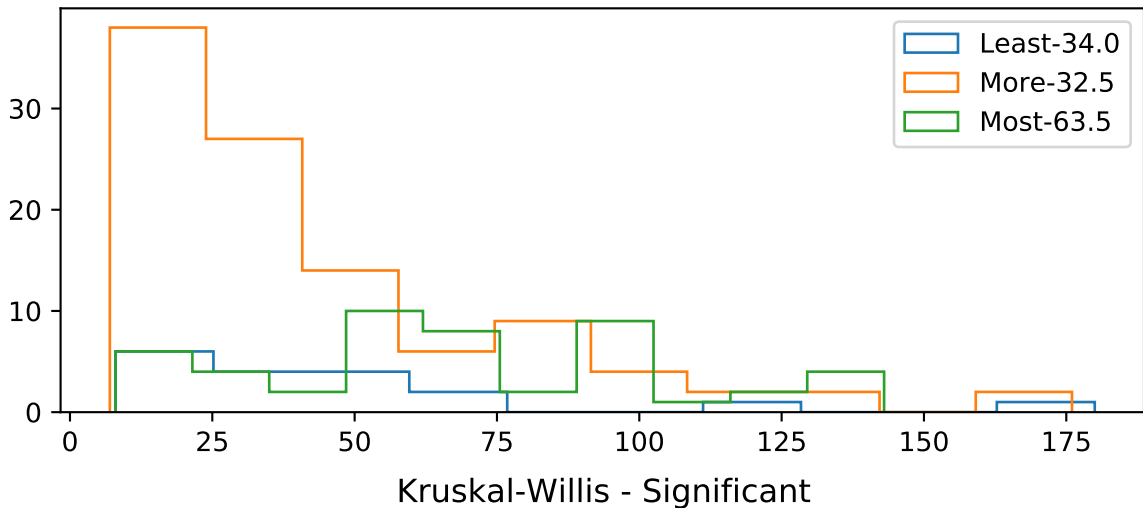
# Risk Preparedness vs Deaths Max. Submission Rate(First Outbreak)



Kruskal-Willis - Significant

Source	ddof1	H	p-unc
Risk Preparedness	2	24.61088354370088	4.527042181243395e-06

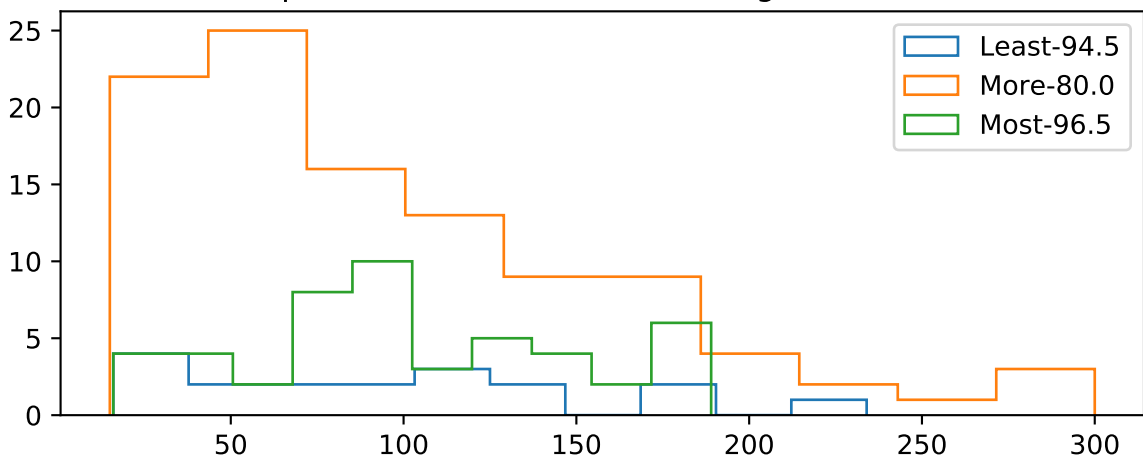
# Risk Preparedness vs Deaths Submission Length(First Outbreak)



Source	ddof1	H	p-unc
Risk Preparedness	2	17.53601207472235	0.00015563359904546565



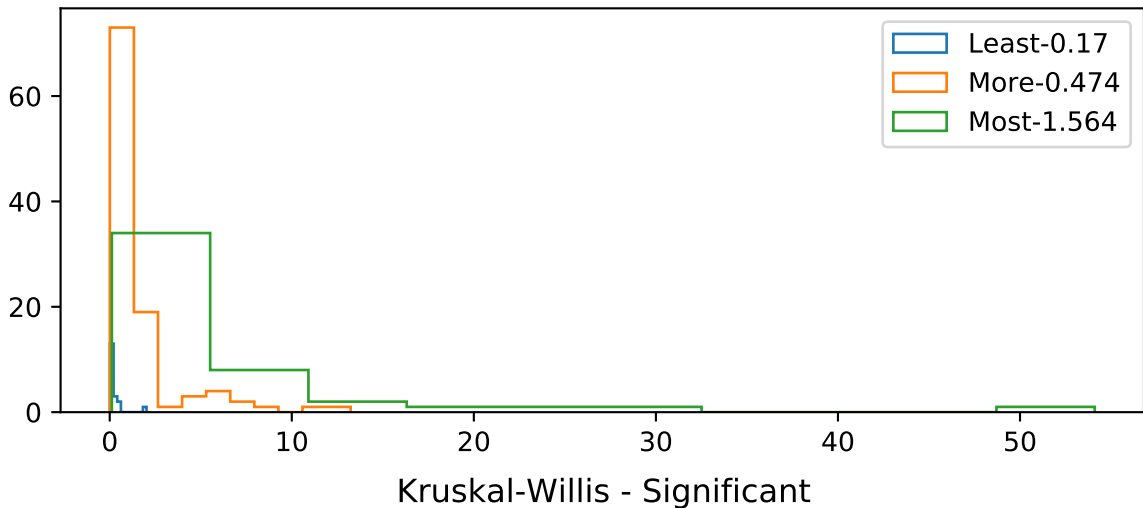
# Risk Preparedness vs Deaths Total Length(First Outbreak)



Kruskal-Willis - Not Significant

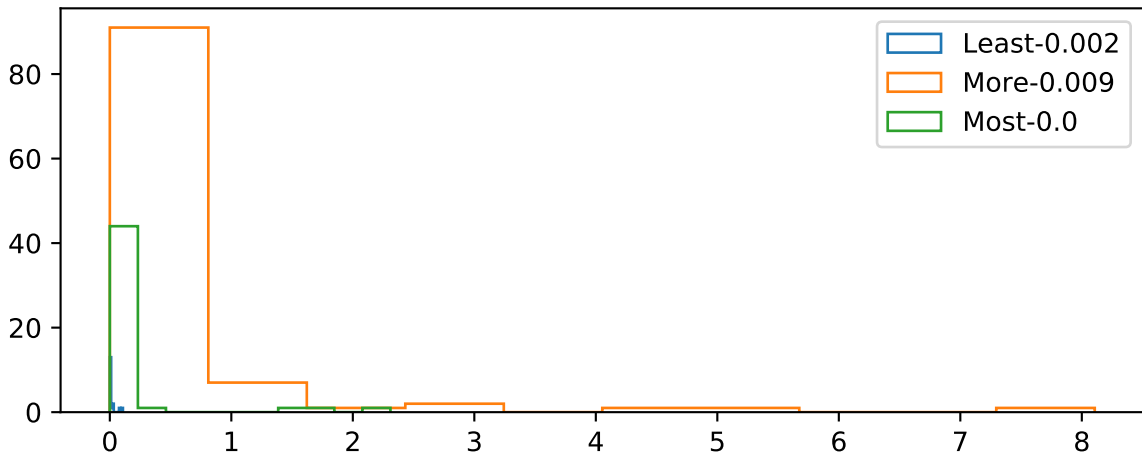
Source	ddof1	H	p-unc
Risk Preparedness	2	2.1193295295659187	0.34657197398881534

# Risk Preparedness vs Deaths Peak Value(First Outbreak)



Source	ddof1	H	p-unc
Risk Preparedness	2	30.77064808815976	2.0808398929101478e-07

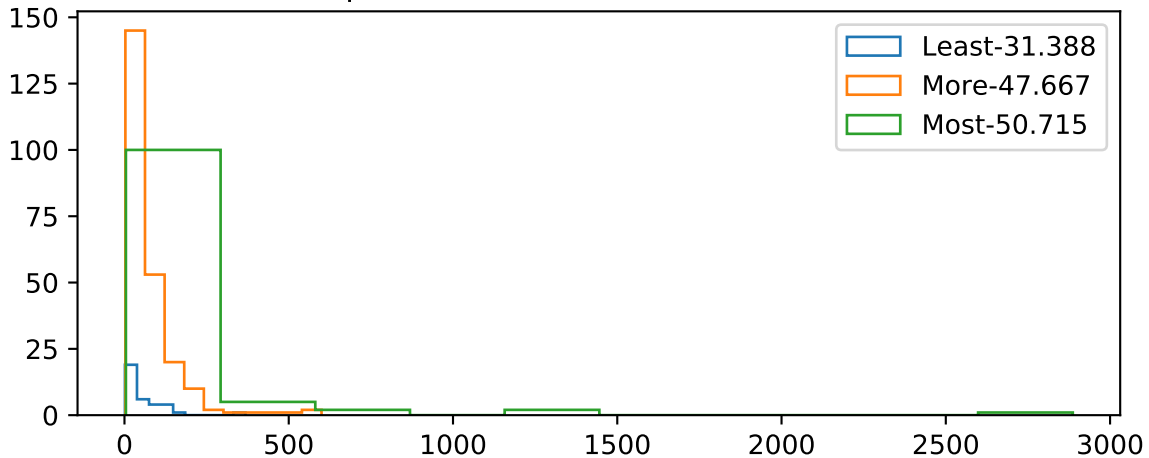
# Risk Preparedness vs Deaths Valley Value(First Outbreak)



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
Risk Preparedness	2	4.777869182433965	0.09172735897020466

# Risk Preparedness vs Case-Death Pair Peak Ratio



Kruskal-Willis - Not Significant

Source	ddof1	H	p-unc
x	2	3.763740293279625	0.15230500655508444