

Modeling Mental Health

A Statistical Approach to Interpreting Risk Factors

By Clay Carson

The Data

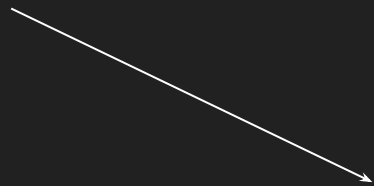
The United States Department of
Health and Human Services

Center for Behavioral Health
Statistics and Quality

National Survey on Drug Use and
Health, 2012

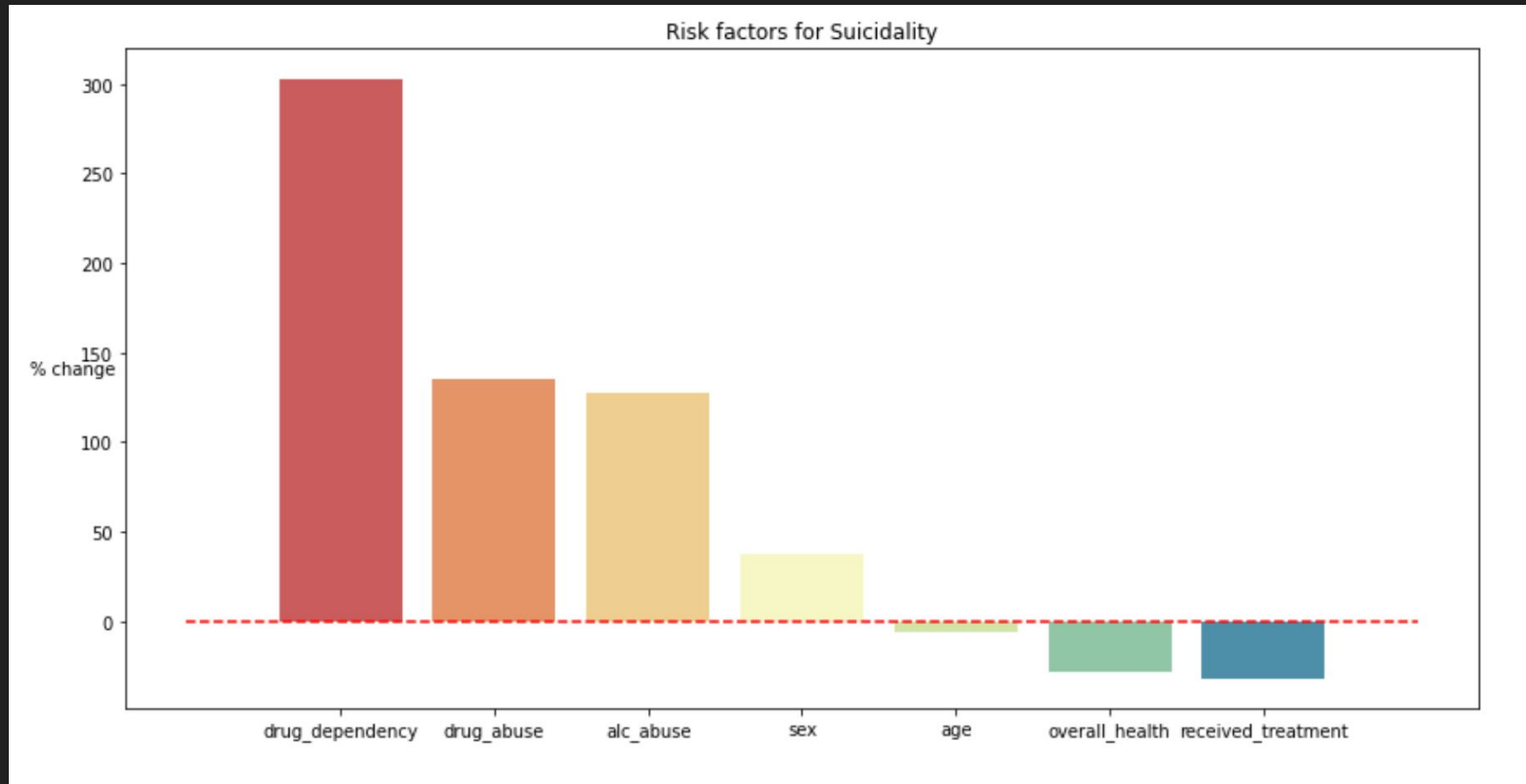


Using: Existing data on
drug use and mental health



Predict: Risk of
suicidality

Risk Factors



Drug-Specific Results

While all drugs are statistically bad for overall mental health, a few are more highly correlated with poor mental health

“Logit” indicates much more likely someone is to be suicidal, i.e. those who abuse illicit pain relievers are 1.5 times more likely to report suicidality

	logit
any illicit pain relievers	1.543481
any inhalents	1.412224
alcohol in past year	1.387004
any crack cocaine use	1.377517

Thanks, stay safe.