

# Stock market vs. Mental health(2019-2021)

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The price of crude oil is a powerful economic indicator, often reflecting global market dynamics that have far-reaching consequences, including implications for individual wealth and mental health. While higher oil prices can signal strong economic activity, they also often lead to increased living costs, which can strain personal finances. Consequently, this financial pressure may negatively impact mental health, contributing to stress and anxiety.

The data depicted in the graphs provides a captivating narrative about these complex interactions. The histogram of oil prices suggests a period of relative stability, a potentially positive sign for economic predictability and consumer confidence. However, the broader distribution of mentally unhealthy days points to a more tumultuous experience in the realm of public health, where factors beyond oil prices are likely at play.

Histogram of Avg. Crude Oil Price (2019-2021): This histogram displays the distribution of average crude oil prices. It shows how often each price range occurred during the specified period. The shape of the distribution and its spread can give insights into the volatility and central tendency of oil prices.

Histogram of Avg. Mentally Unhealthy Days (2019-2021): Similarly, this histogram shows the distribution of the average number of mentally unhealthy days. It provides a visual representation of how concentrated the data is around particular values and can indicate the central tendency and dispersion of mentally unhealthy days reported.

Avg. Crude Oil Price vs. Avg. Mentally Unhealthy Days: This scatter plot compares the two variables: average crude oil prices and average mentally unhealthy days. Each point represents an observed pair of values for these variables. If a trend line or correlation coefficient were present, it would help to identify if there's any apparent relationship or correlation between the two variables.

Yearly Trend of Avg. Crude Oil Price & Avg. Mentally Unhealthy Days: This line graph shows the changes over time in both average crude oil prices and average mentally unhealthy days, with points plotted at regular intervals throughout the years. The lines connecting the points can show trends, such as increasing or decreasing patterns, and any potential cyclical behavior over the years.

