



**How Covid had an Economic Impact on the housing market in Los Angeles, New York, Austin . Which one of the cities' residential housing market was most effected by the Pandemic.**

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TEAM MEMBERS

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## Project-One

Project goal is to determine whether the COVID epidemic has caused permanent or the long-term effects onto the local economies of major economic locations in the US. We will focus on 3 major states and a corresponding city in each with a robust economy in different regions of the US; Los Angeles CA, New York New York, and Austin Texas. A generalized view of the local economic strength of each state and each city will be developed based on housing availability. This data will then be used in comparison to data of Covid infection and positive cases of each corresponding city and state.

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### Questions:

1: How has the long-term purchasing ability of Americans been affected by the severity of the localized pandemic environment.

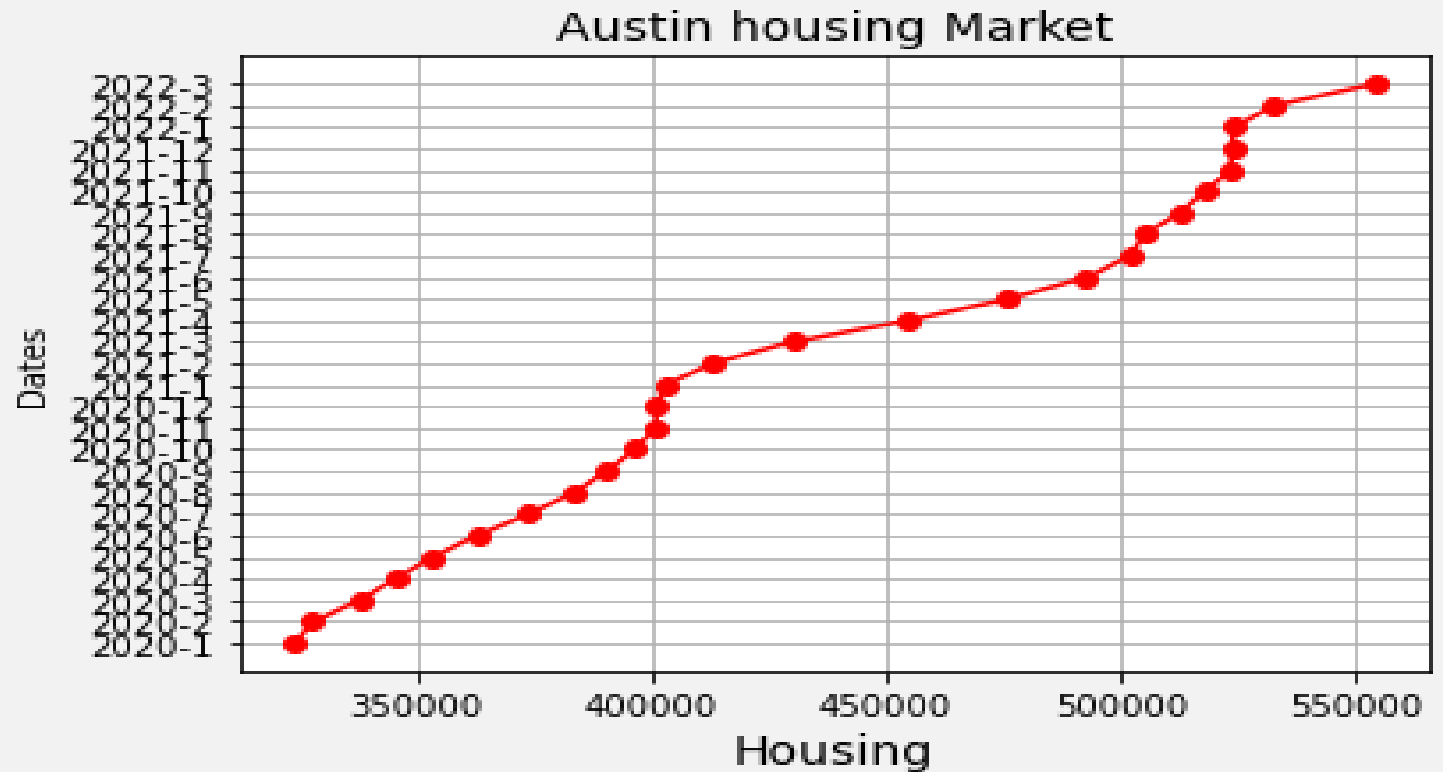
2: Is there a correlation of Covid severity in the state and Home pricing?

3: Due to Covid related medical costs; has there been an increase of housing availability or has there been a decrease?

## Average Cost of Housing For Austin

*How has the long-term purchasing ability of Americans been affected by the severity of the localized pandemic environment.*

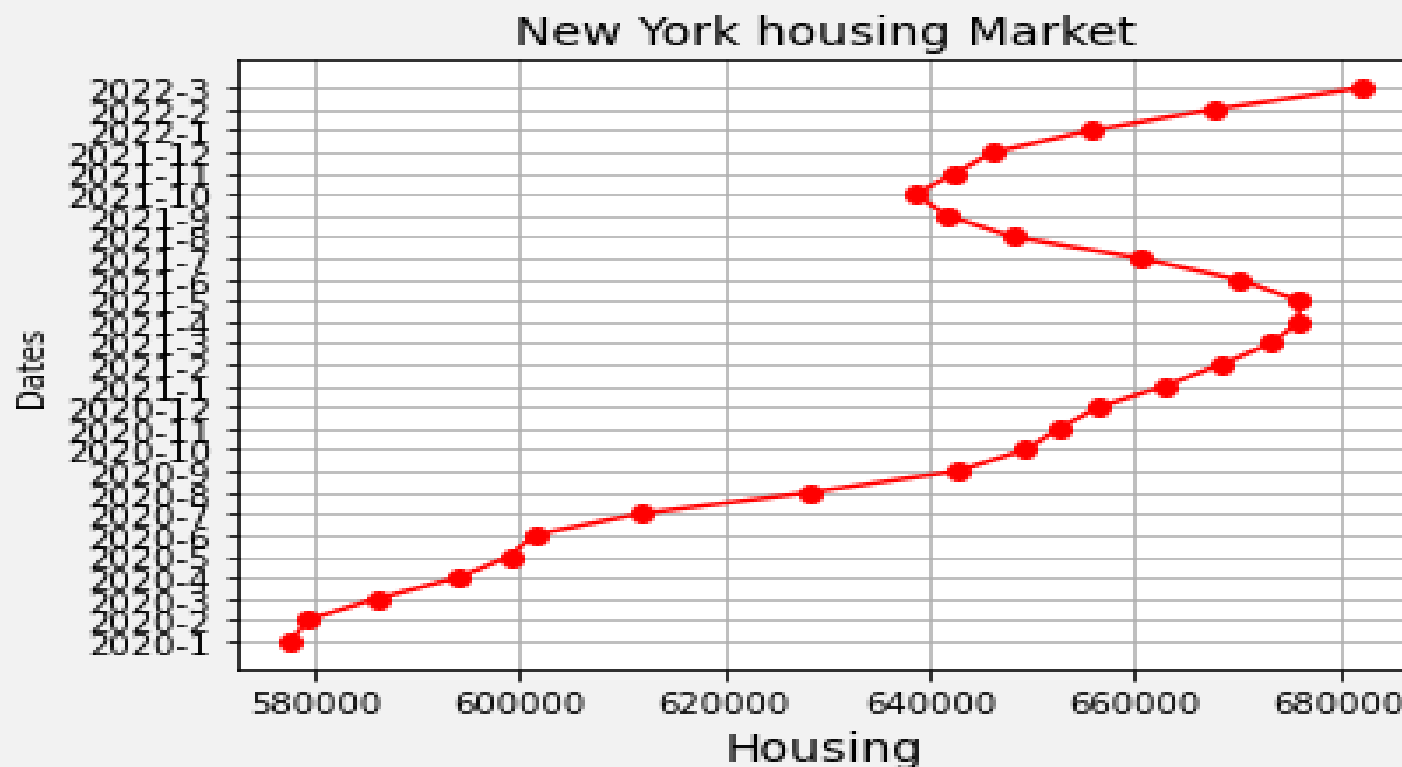
We can clearly see that Housing Market has been steadily raising over the Years. From 2020 to present the average cost of a home in Austin Texas as grown 300,000 to an Average of 550,000.



## Average Cost of Housing For New York

*How has the long-term purchasing ability of Americans been affected by the severity of the localized pandemic environment.*

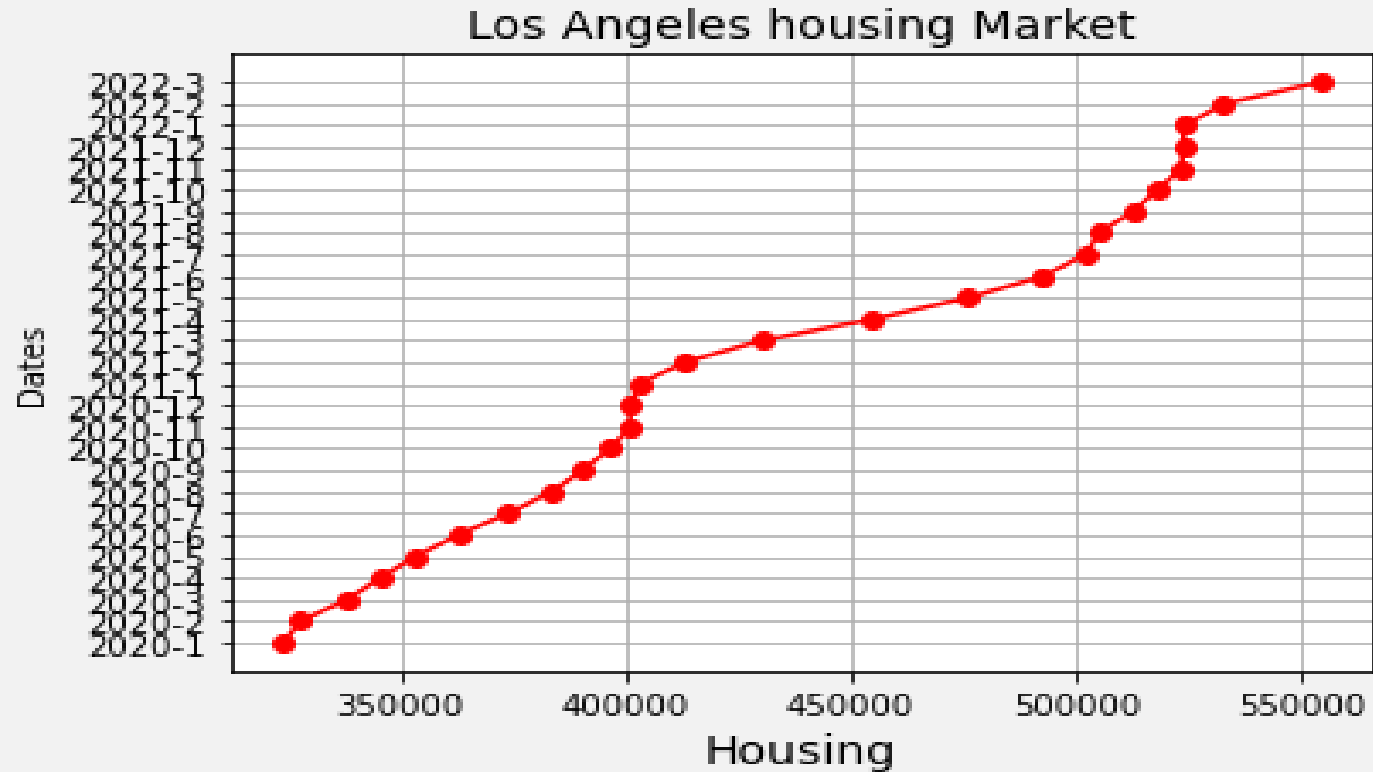
We can clearly see that Housing Market has been steadily raising over the Years. From 2020 to present the average cost of a home in New York as grown 550,000 to an Average of 680,000.



# Average Cost of Housing For Los Angeles

*How has the long-term purchasing ability of Americans been affected by the severity of the localized pandemic environment.*

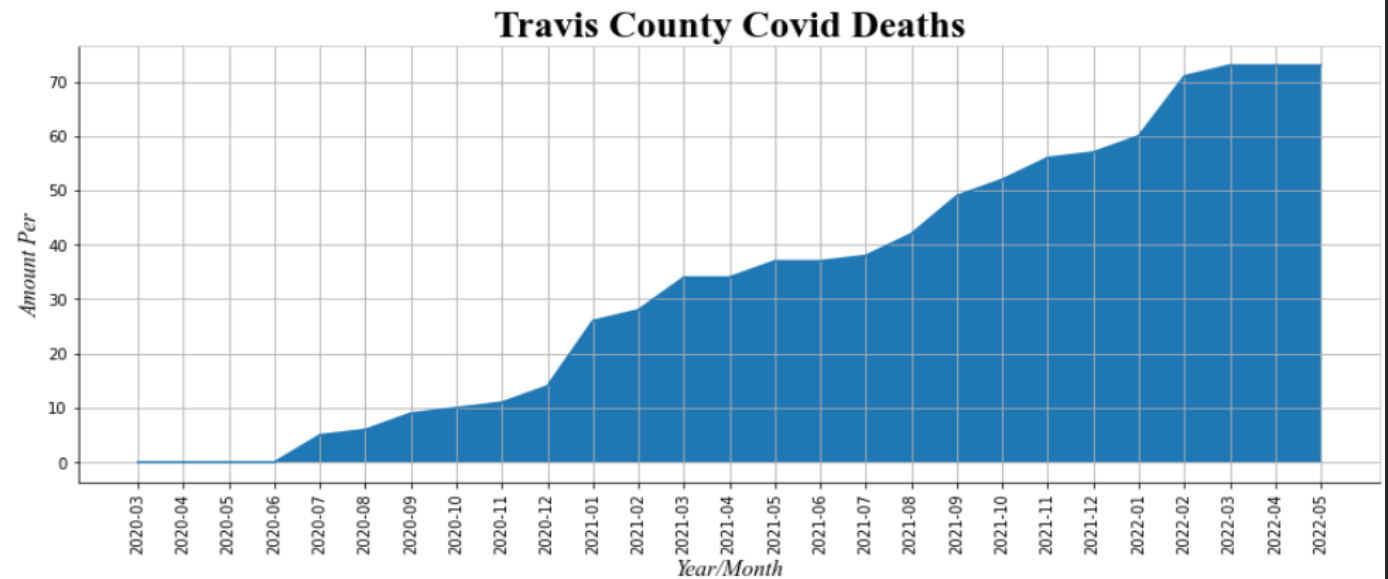
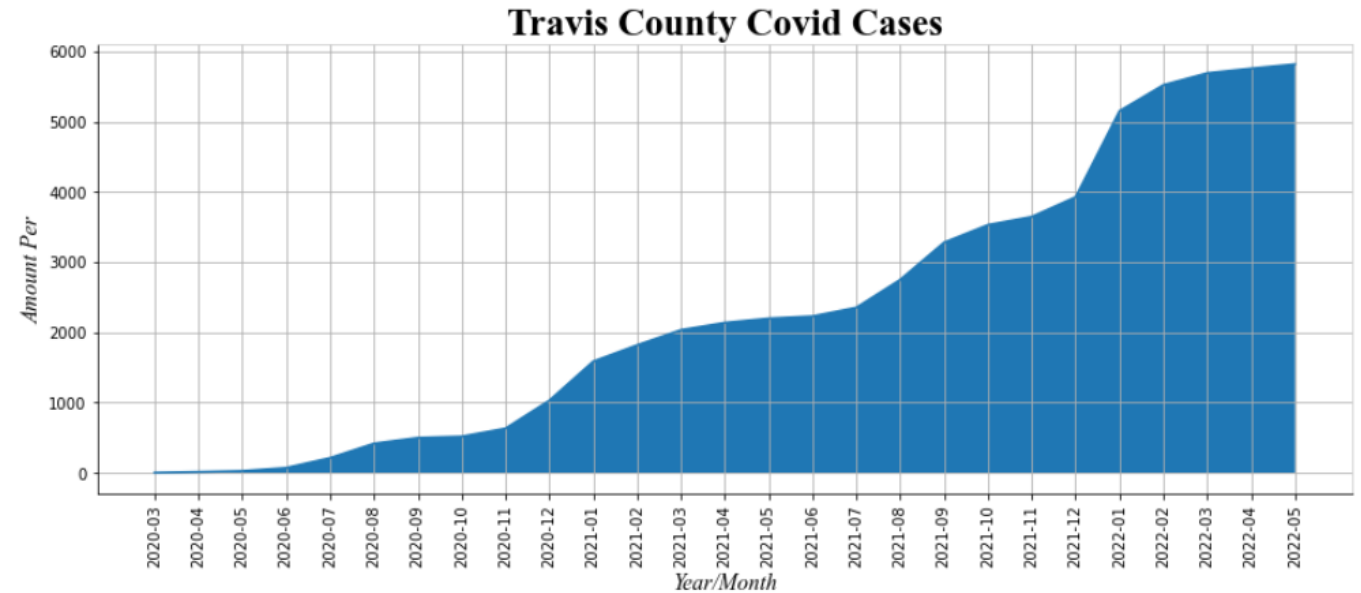
We can clearly see that Housing Market has been steadily raising over the Years. From 2020 to present the average cost of a home in Los Angeles as grown by about 200,000 in the last couple of years.



## Travis County COVID INFORMATION

According to these Graphs we can see that there was in fact a large increase in cases from 2020 to 2022. By the middle of 2021 to present the amount of Covid Deaths and Cases nearly Doubled

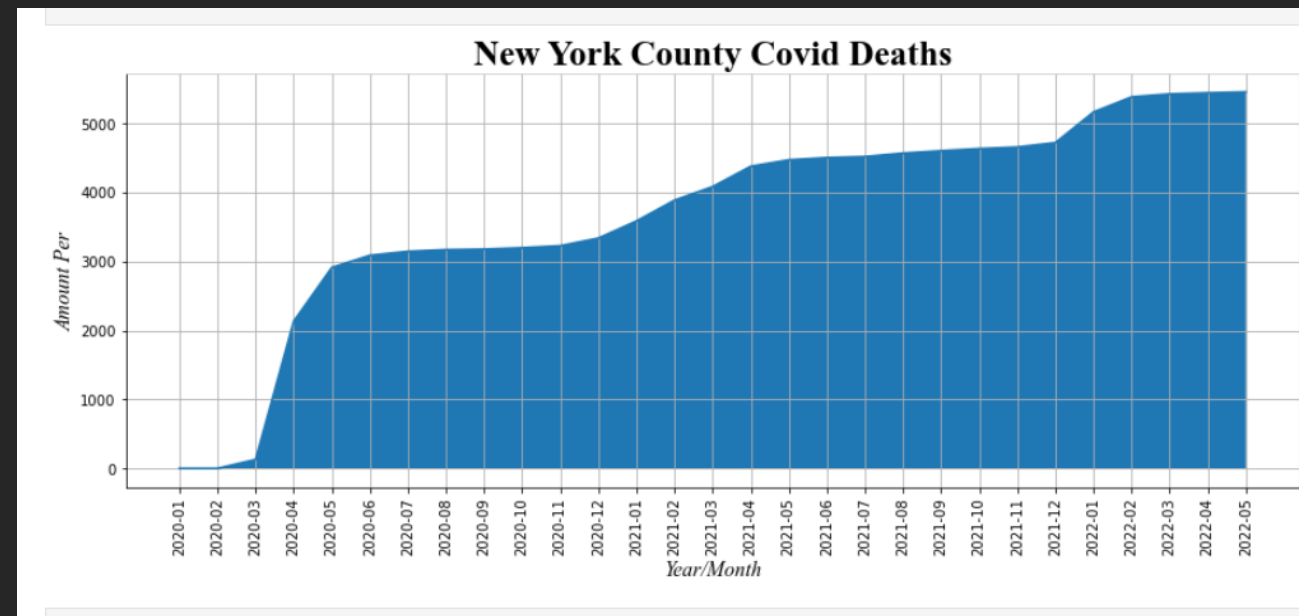
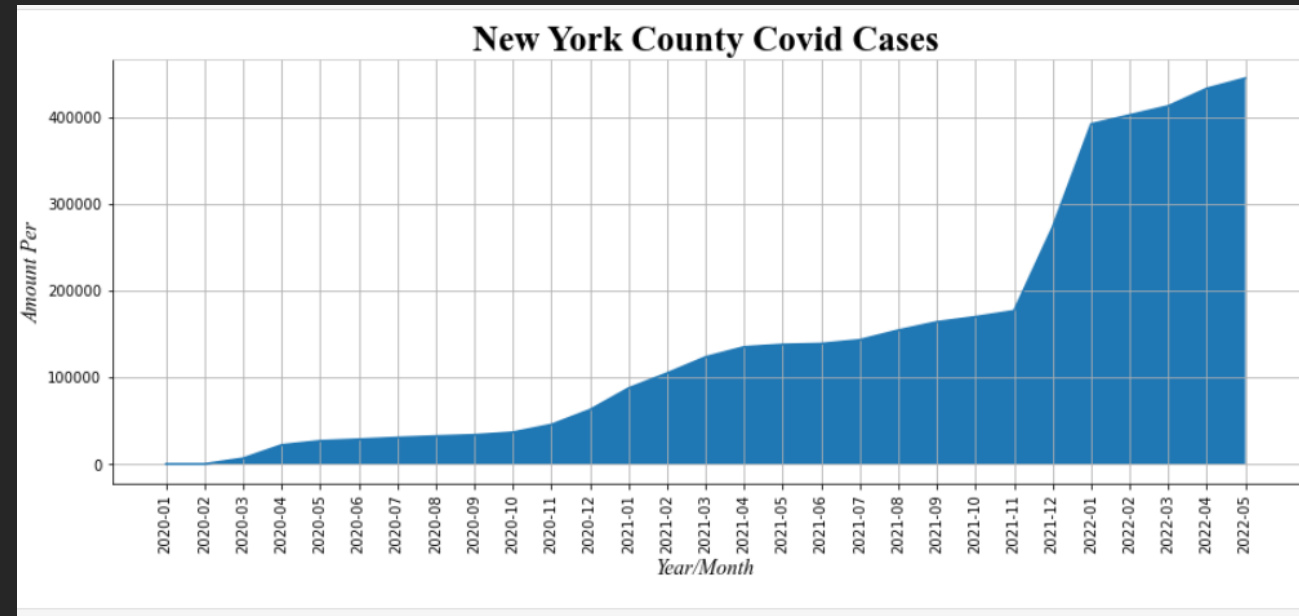
<http://covidactnow.org/>



## New York County COVID INFORMATION

According to these Graphs we can see that there was in fact a large in cases from 2020 to 2022. In New York By the start of 2021 to present the amount of Covid Deaths doubled while the cases continued to increase.

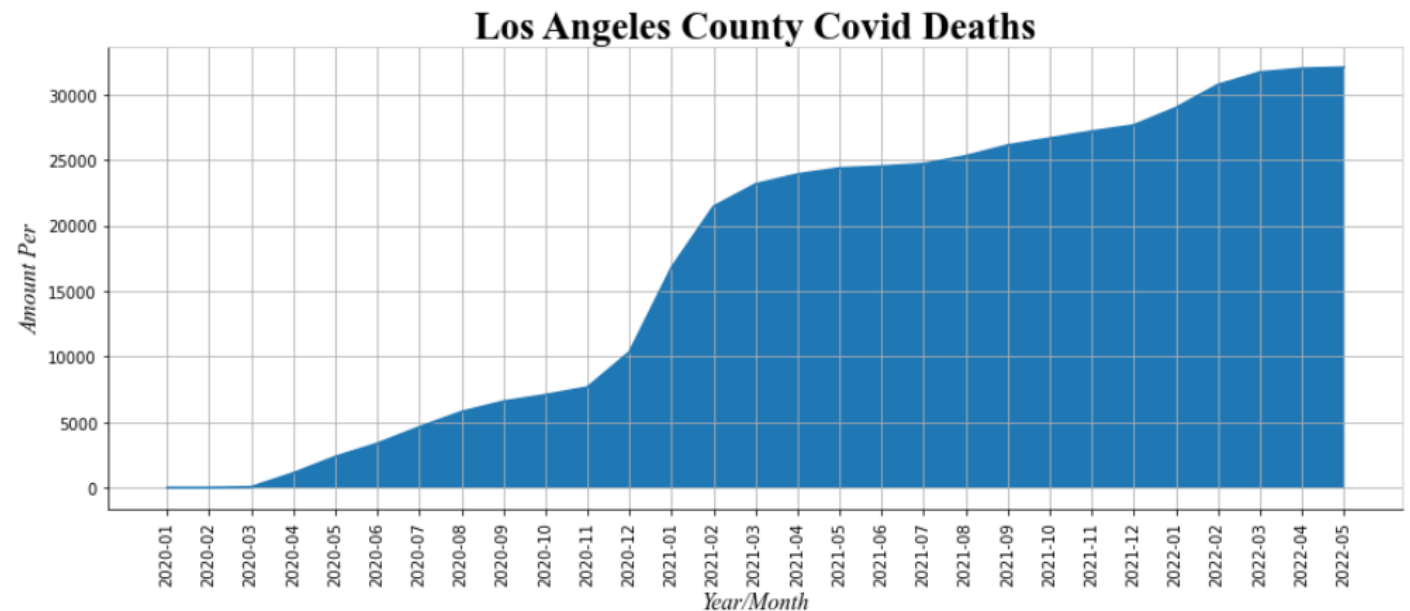
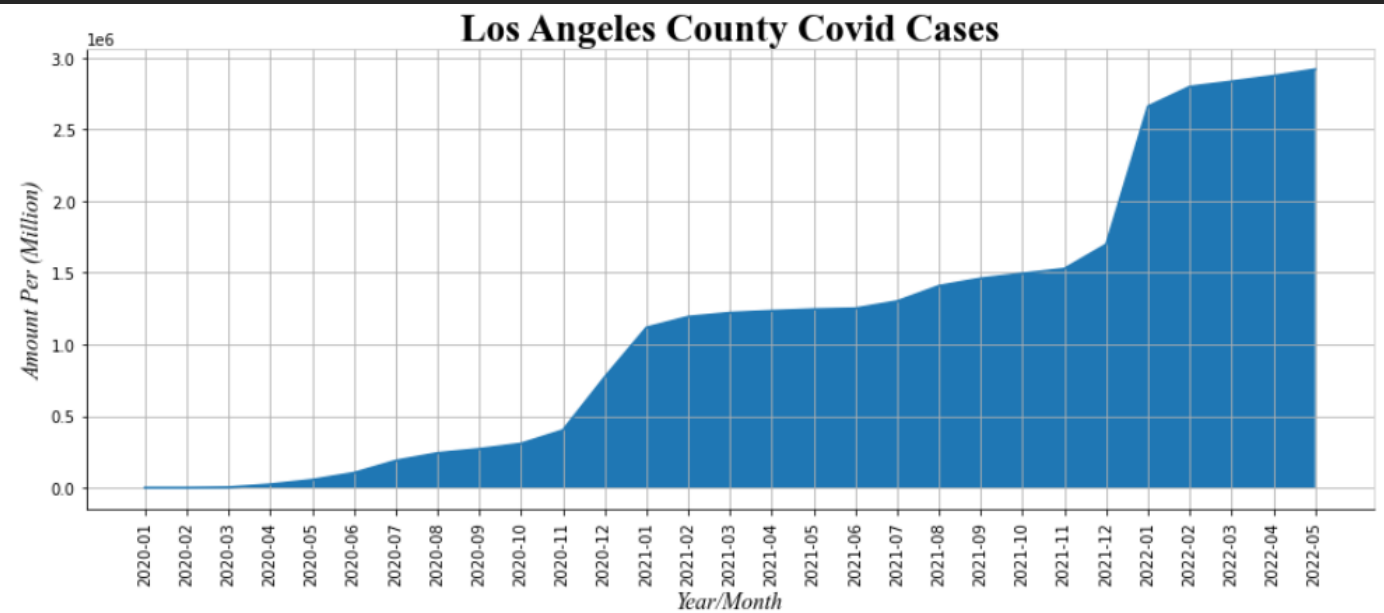
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## Los Angeles County COVID INFORMATION

According to these Graphs we can see that there was in fact a large increase of cases from 2020 to 2022. In Los Angeles By the end of for 2020 to present the amount of Covid Deaths doubled while the cases continued to increase. Around the end of 2021 to present we see a very large jump in cases.

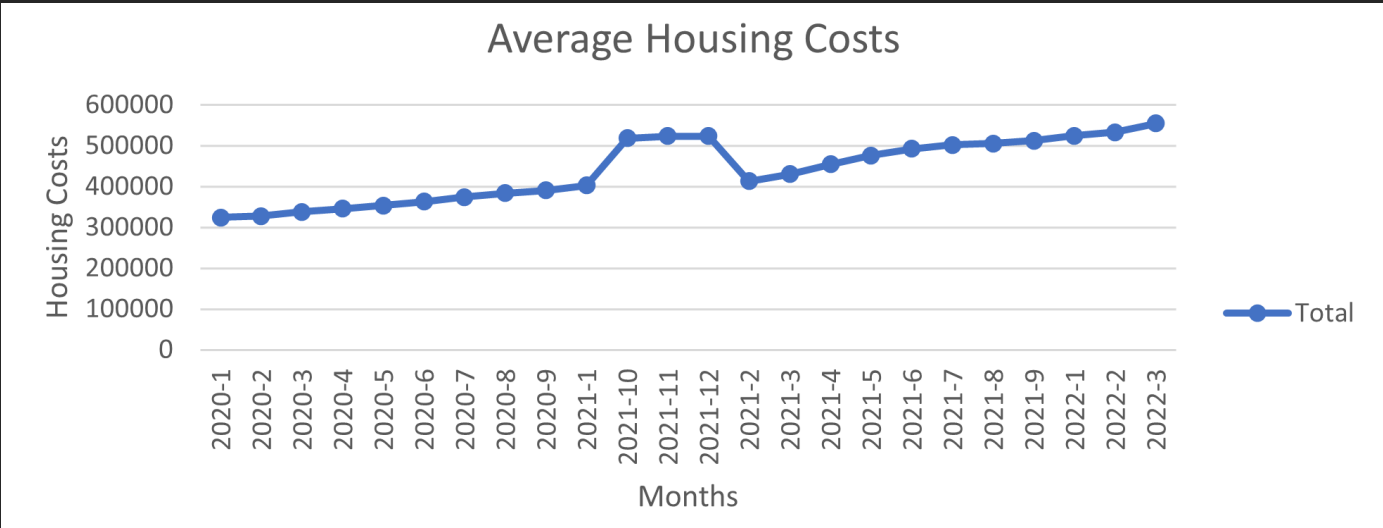
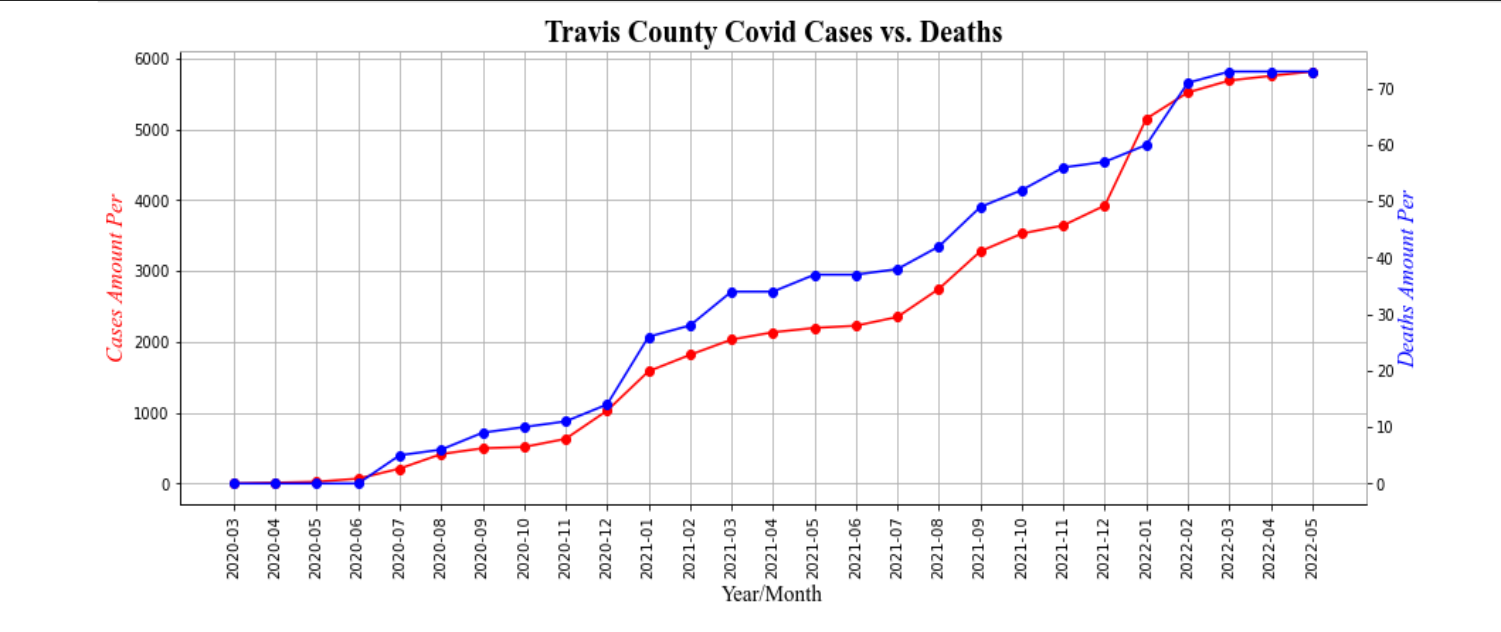
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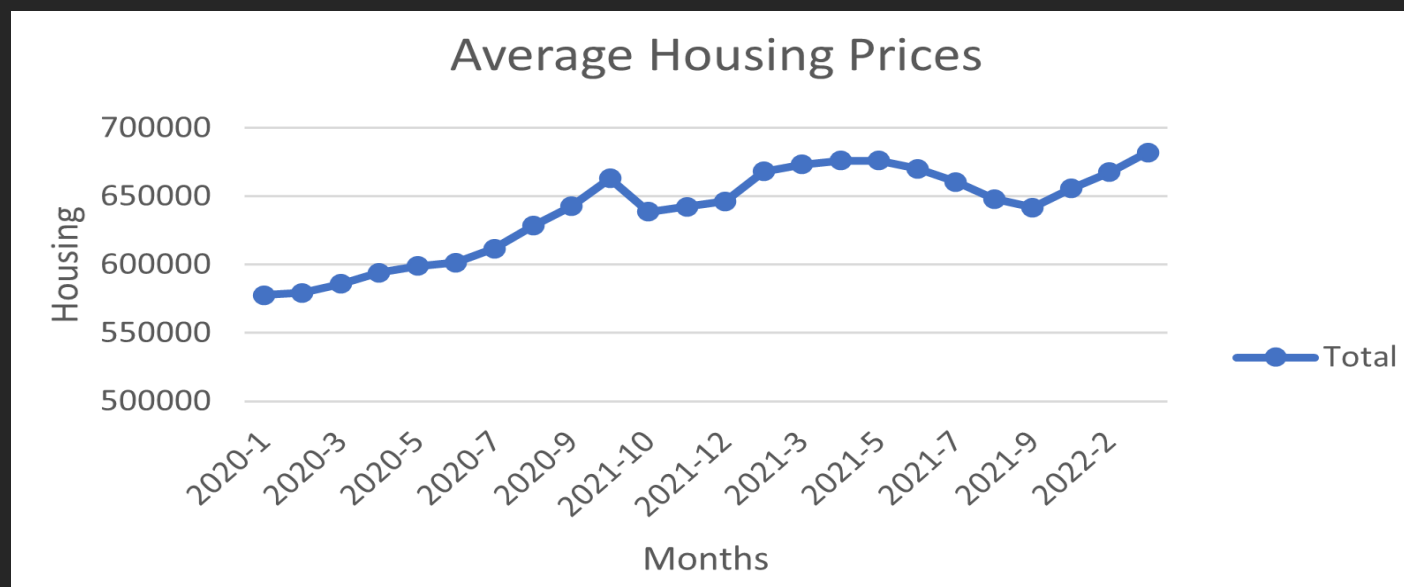
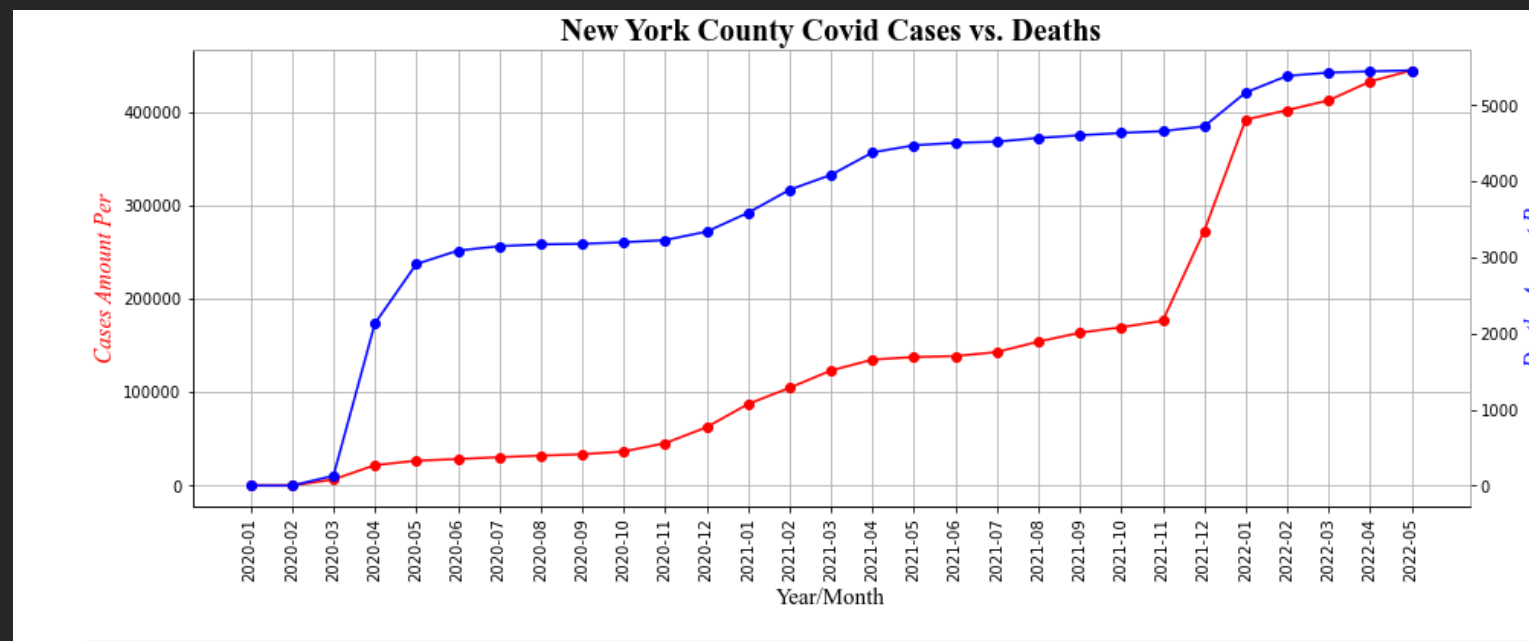
# Travis County Covid & Housing information

As mentioned, we can see that Housing Market has been steadily raising over the Years. From 2020 to present the average cost of a home in Austin Texas as grown 300,000 to an Average of 550,000. We also can see that there was in fact a large increase in cases from 2020 to 2022. By the middle of 2021 to present the amount of Covid Deaths and Cases nearly Doubled. Based on our Data in the Rise of Housing Cost Compared to the Rise in Cases. We feel like we can comfortably say that there is a correlation between the Stats of cases to the Housing Market.



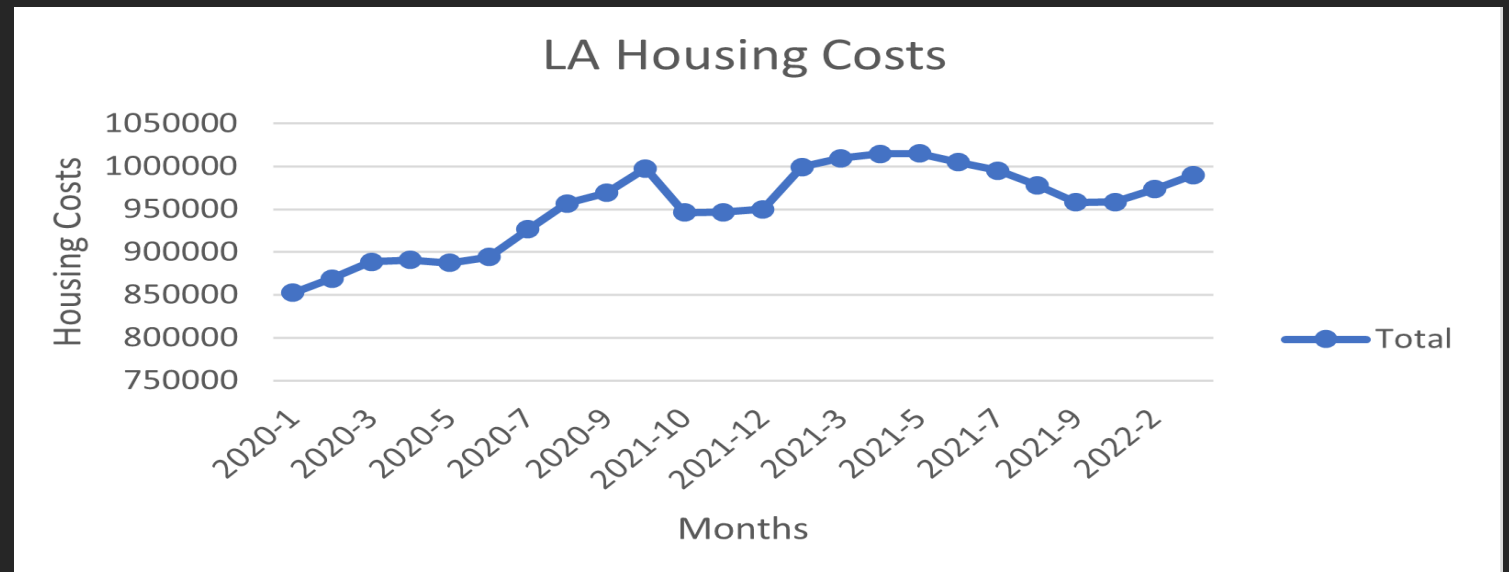
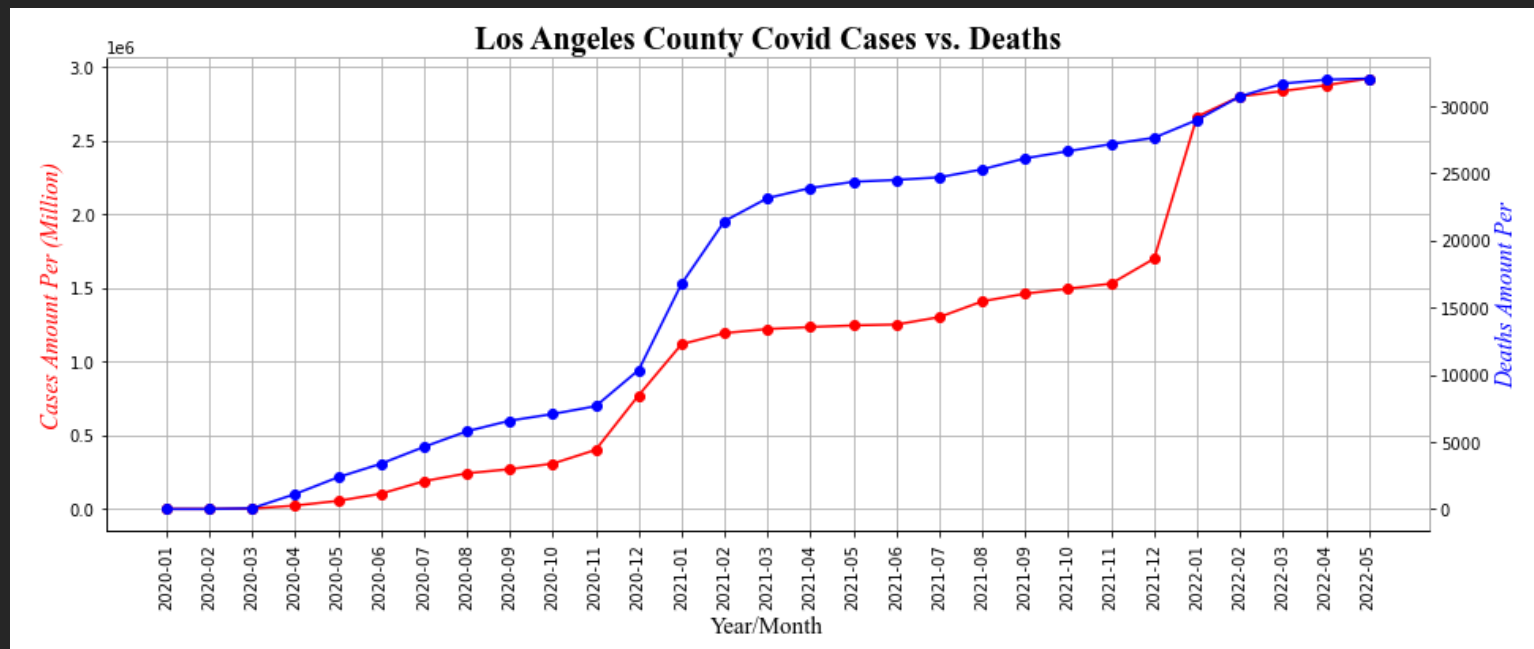
## New York County Covid & Housing Information

We can clearly see that Housing Market has been steadily raising over the Years. From 2020 to present the average cost of a home in New York as grown 550,000 to an Average of 680,000. According to these Graphs we can see that there was in fact a large increase in cases from 2020 to 2022. In New York By the start of 2021 to present the amount of Covid Deaths doubled while the cases continued to increase. Based on our Data in the Rise of Housing Cost Compared to the Rise in Cases. We feel like we can comfortably say that there is a correlation between the Stats of cases to the Housing Market.



## LA County Covid & Housing Information

We can clearly see that Housing Market has been steadily raising over the Years. From 2020 to present the average cost of a home in Los Angeles as grown 350,000 to an Average of 550,000. According to these Graphs we can see that there was in fact a large increase in cases from 2020 to 2022. In Los Angeles By the end of for 2020 to present the amount of Covid Deaths doubled while the cases continued to increase. Around the end of 2021 to present we see a very large jump in cases Based on our Data in the Rise of Housing Cost Compared to the Rise in Cases. We feel like we can comfortably say that there is a correlation between the Stats of cases to the Housing Market.



# Conclusion

## Data Results:

COVID: Starting from March 2020 there has been a steady increase of deaths within each county but having one major sudden spike of cases occur at different times. This shows that the virus has a steady fatality rate despite vaccine and lockdown efforts and that the number of cases are high in each month as the pandemic continues.

Houses: Data since January 2020 shows that the average of home prices have steadily been increasing little to no signs of slowing for Austin and Los Angeles, with New York being the one exception. In the case of New York, there was a sharp decrease in house prices from April 2021 to October 2021.

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## Analysis

In the three major counties: Austin, Los Angeles and New York, the prices of homes have continued to increase during the pandemic despite increasing infections and deaths. On the contrary to expectations, prices of homes continued to increase as deaths and cases increased. Closer look at the data shows that instead of having an inverse relationship as expected; Housing prices and covid cases/deaths had a parallel relationship. When cases began to rapidly increase on June 2020 and December 2021, the prices of homes also began to increase. This resulted in both data graphs to have positive- growth with similar starting points of increase.

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## Results

The expected results of the housing data having an inverse relationship to covid deaths/cases data have been shown to be incorrect. Where the expected data pattern was to see housing prices decrease whenever cases/deaths increase, instead the data shown to be a positive correlation between sharp increases of cases and deaths to the prices of homes resulting in a steady increase in home prices from 2020 to 2022.

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## Conclusion

The data that has been gathered have shown to contradict the project expectations and have shown that during the pandemic era, the prices of homes have consistently increased as Covid cases and Covid deaths also increased in the same counties. While the data does not provide an in-depth answer to the health of many aspects of the economy, it does show the housing market have grown; indicating that the overall US economy is not experiencing a long-term economic depression yet.

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A possible theory for the resulting data would be that when cases increased, the counties resumed lockdowns in the cities and incentivized young families to move out of urban centers and purchase homes where they will have more space. Another possible theory is the lockdowns led to many individuals either finding or have their current workspaces transition to remote work; leading these individuals to purchase new homes that will accommodate the new required workspace