## Sacha Wible

## motivations

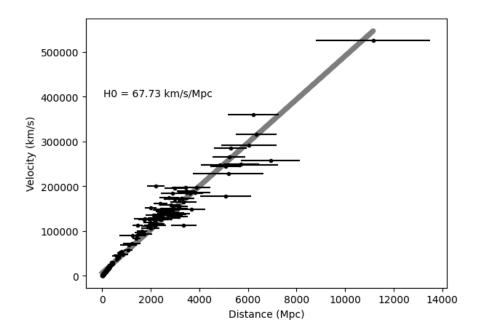
This project was to better understand Hubble's constant by using data collected from the redshift of supernovae and otherwise prove the relevance of dark matter in an accelerating universe.

## methods

assumptions + calculations

Error for the graph was lifted from the data.

Linear equation was done by finding the slope and y intercept using polyfit H0 = V/D, so for my calculations I averaged the V/D of the data to get 67.73 km/s/Mpc for Hubble's Constant.



## conclusions

The luminosity of these supernovae demonstrates an expanding universe and indicates a Hubble's constant of 67.73 km/s/Mpc, and a universe that is around 14.43 billion years old