Near-Earth-Objects: Are We Doomed?

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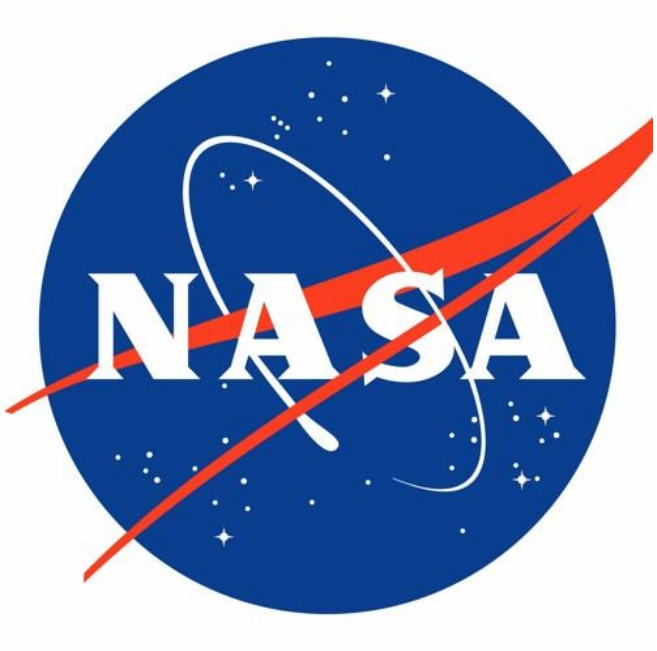
What are we analyzing?

Our group is researching the likelihood an asteroid or comet will potentially harm our planet. Using historical data, we will determine what thresholds are used to predict which NEOs are the most hazardous to Earth.



Why this topic?

A new movie on Netflix, *Don't Look Up*, was just released that had to do with a comet approaching Earth and scientists trying to warn the public about it. Although this movie is more about comedic humor, a comet or asteroid harming our planet is definitely something that could happen. We wanted to research and analyze the data to see how likely a NEO could harm us.

Is there going to be a space object that has the potential to hit our planet?

On average, 200-400 space objects enter Earth's atmosphere every year, that's about one a day. But, these are usually small and not hazardous

What is the probability that these objects will be hazardous?

The probability is small, but the damages are definitely big. A comet that was 10 kilometers is what wiped out the dinosaurs.

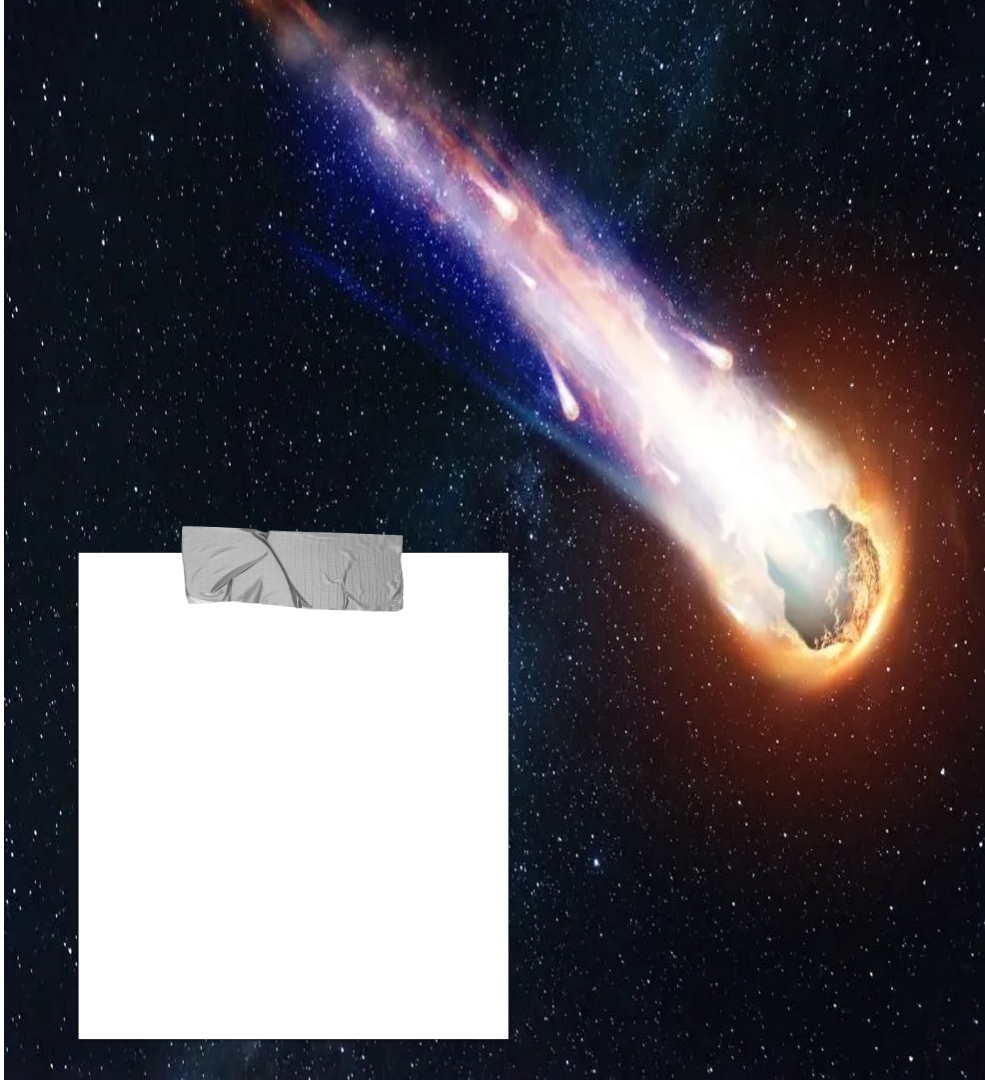
Which NEOs are the most potentially hazardous?

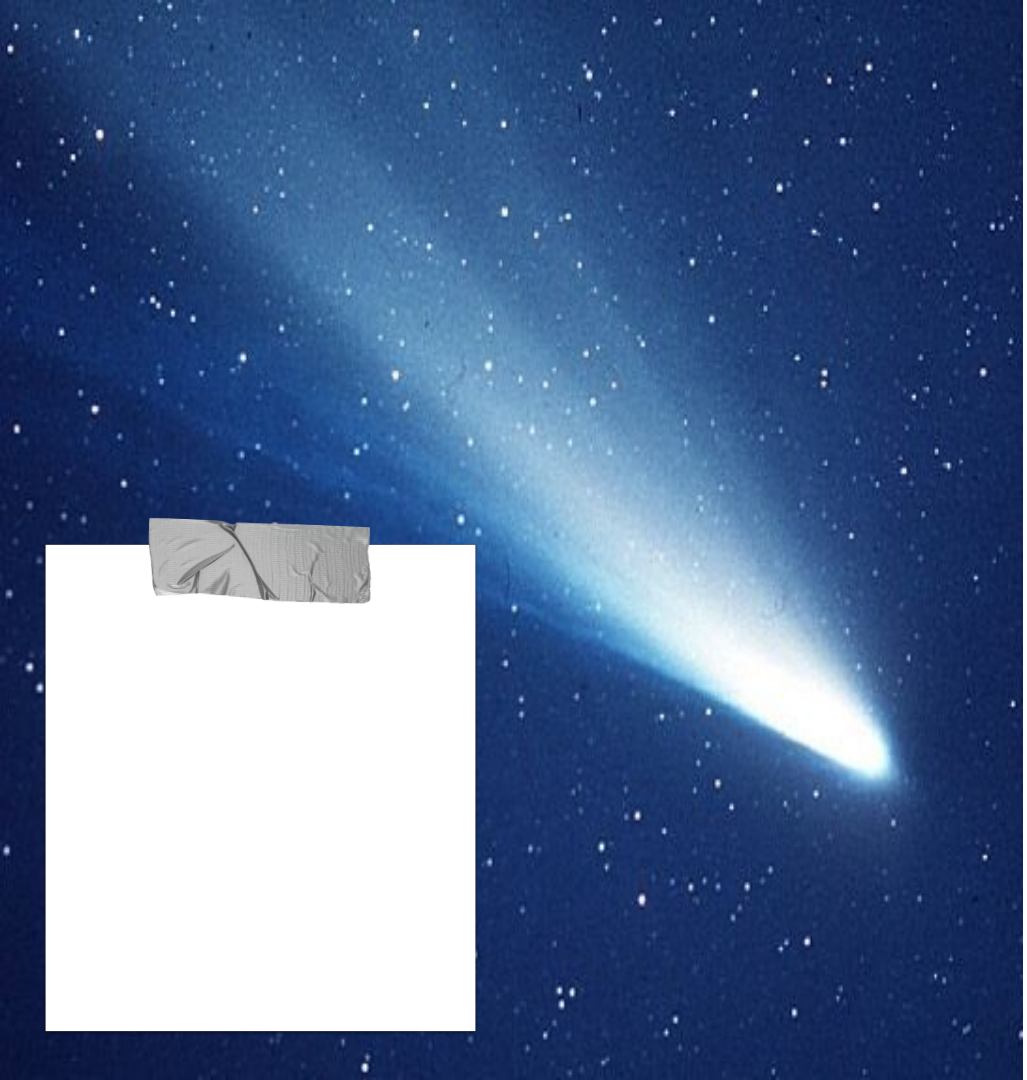
Knowing exactly which NEOs are the most hazardous can help researchers track those more closely.

Description of the data source

Description of the data exploration phase

Description of the analysis phase





Timeline