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Constellation: Perseus

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**Introduction**

The purpose of this project was to help gain a better understanding of the constellation and the stars within it, as well as learn the story behind it. The raw data was collected from reliable sources and is shown in the form of a map and table. The constellation Perseus was chosen for this project because it has a rich history and mythology. The map displays the positions of the stars in the constellation, while the table provides additional information about each star.

**Constellation: Perseus**

**Death of Stars**

The Sun is a star that will eventually end its life as a red giant. It will expand and engulf the inner planets, including Earth. After that, it will become a white dwarf. A white dwarf is a small, dense star that is no longer burning hydrogen.

**Discussion of 3-D graphs**

When creating a three-dimensional model of the constellation, it is important to consider the size and distance of each star. The distances of the stars can be represented using a logarithmic scale, where the distance from the Sun is divided by the square of the number of units of parsecs.

**Artwork of Constellation**

The artwork of the constellation was created using a digital illustration program. The stars were rendered in a stylized manner, and the constellation was drawn using a freehand technique.

**Constellation Mythology**

The myth of Perseus is well known for his killing of Medusa. According to Greek mythology, Perseus was instructed by the goddess Athena to slay Medusa in order to rescue Andromeda. Medusa was a powerful monster with snakes for hair. When Perseus approached Medusa, he was turned to stone. Perseus then used his sword to slay Medusa and rescue Andromeda. He then brought Medusa's head to King Polydectes in order to win the hand of Medusa's daughter, Andromeda. Perseus was a hero in Greek mythology.

**Sources**

- Mythology source: [Mythology Website](http://www.mythologyمريون.com/)
- Picture source: [Picture Website](http://www.picture.com/)