Description:

Our goal is to create a dataset of similar quality to the data available to Greek astronomers during their time. By connecting the ancient Ptolemic model of the universe to our modern understanding of Fourier series, we’ve created a dataset that, given modern machine learning methods, can be used to learn planetary motion models and moon phases. In an attempt to model the uncertainty of Greek instrumentation, we’ve introduced noise to many of our "measurements," and taken the data from geographical regions similar to where the Greeks were.

Relation between Moon phrase and other parameters(Moon and other celestial body)

Write up:

<https://d1b10bmlvqabco.cloudfront.net/paste/is6p7mosqa16a1/e26c22b3653ca80ab9f29ffd6503e1bb4d0afddc2bd3d8dada3a562872f978ac/CS189_Project_S___Late_Deadline_Proposal__1__(1).pdf>

Github:

<https://github.com/pnelson6679/projectS_early_deadline_teamSKEP>

Dimension:

11000 \* roughly 40 (effectively 7)

Clean Data