

Modeling with Sinusoidal Functions

Chase Mathison¹

Shenandoah University

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¹cmathiso@su.edu

Announcements

- 1 Exam on Friday
- 2 Review in MEC from 12 to 1 today.
- 3 Office hours, 10am - 11am.

Modeling with Sinusoidal Functions

Let's finish up that example from last class: Model the number of hours of sunlight in a day t days after January 1.

The basics of modeling with Sinusoidal Functions

Anytime we are modeling a real world situation that is _____, sinusoidal functions are what we use. If we're trying to fit real world periodic data to a sinusoidal function, we need to know:

1

2

3

4

Example

Let's model the average monthly temperature in Winchester, VA using the information in the Google Sheets doc linked in Canvas.

Example