

# How do we represent time?

Think of as many different ways to represent time as you can

How might computers store/record time?

# EN 1: Engineering in the Kitchen

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# Objectives

By the end of class today, you should be able to:

- Use Python to replace your graphing calculator

- Make pretty plots from a CSV file

# Installing some stuff

In Thonny: Run -> Configure interpreter -> Local Python 3

In Thonny: Tools -> Manage packages

Search for and install:

**pandas**

**matplotlib**

# Python as a graphing calculator with superpowers

See code posted on website after class

# What is a CSV file?

```
time,voltage
```

```
0,1.7
```

```
1,1.8
```

```
2,2.0
```

```
3,2.4
```

```
4,2.2
```

# Python as Excel with superpowers

See code posted on website after class