**Lab 1 Docker Introduction**

This assignment is just to get you familiar with Docker. Having you guys watch some videos for homework helps us use more class time for troubleshooting issues. This is a video by Scott Hanselman. Scott is a fantastic teacher and I often strive to be as good as Scott when I demo. Check it out and then answer the questions for homework.

<https://www.youtube.com/watch?v=0oEsMwSxBsk&t=604s>

1. What are containers and how are they different than virtualization?
2. What is a Docker image and give an example?
3. What does it mean that Docker containers are ephemeral?
4. How can a container be layered and what are the benefits to this layered architecture?
5. Thinking Ahead… How might a scientist use Containers/Docker?