Goals:

1. Install google drives and understand their use.
2. Use the winter flood hydrograph from the Mississippi River above New Orleans to understand the basics of Excel spreadsheets including:
   a. How to make a good plot with labelled axes, titles and legends ([Youtube tutorial](#))
   b. How to construct simple formulae
3. Learn how to create and use a collaborative google doc.
4. Create a twitter account and make your first sedimentology tweet.

1. **Google Drives**

Find the two invitations to collaborate that were sent to you by Anjali.
- First invite: Sedimentology_Class_Group_Folder
- Second invite: YourLastName_YourFirstName_Sedimentology

Accept the invitations.

Click on “Add to Drive”, then “Open in Drive”. These two folders are now permanently installed in your google drive tied to your uconn.edu account.

Explore the contents of the folders. The group folder is where we will share resources and work on collaborative projects.

2. **Basics of Excel**

Download the Excel sheet titled Bonnet Carre from the course website tab “Content”.

Explore the data in the grey boxes as well as the simple values in column B1:B3.

Plot gage height in meters through time. Label your axes. ([Youtube tutorial](#))

Calculate discharge \( \text{Discharge} = \text{gage height} \times \text{approx. channel width} \times \text{approx. flow velocity} \)

Plot discharge through time. Label your axes.

3. **Basics of Google Docs**

Divide into 6 groups.
Create a collaborative 1-page google doc in your class google drive (here), and compile any valid information you can find online about the Mississippi River at flood, the Mississippi Delta, sediment in the Mississippi River, etc. You will each be responsible for contributing at least a couple of sentences on the winter flood or floods in general on the Mississippi River and why a sedimentologist might care.

Embed the graph you just created in excel with a figure caption and discuss what you observe. Work in groups and share your ideas.

Finally, look at what the other groups have done. If you can find any way to improve their products, click on “editing” on the upper right of your screen. Select “suggesting”. This way you can suggest edits but still give the other group the opportunity to accept/reject your edits.

This will be our approach to group blogs and project work in google docs during the semester

4. Create a twitter account
Go to twitter.com.
Create a Twitter account. Hopefully you do not need me to tell you how. 😊
“Follow” @climbing_ripple and @geolindy
Has anyone been tweeting recently about the Mississippi winter flood?
Make your first sedimentology tweet using #UConnSedStrat

See you next week! 😊

THE END