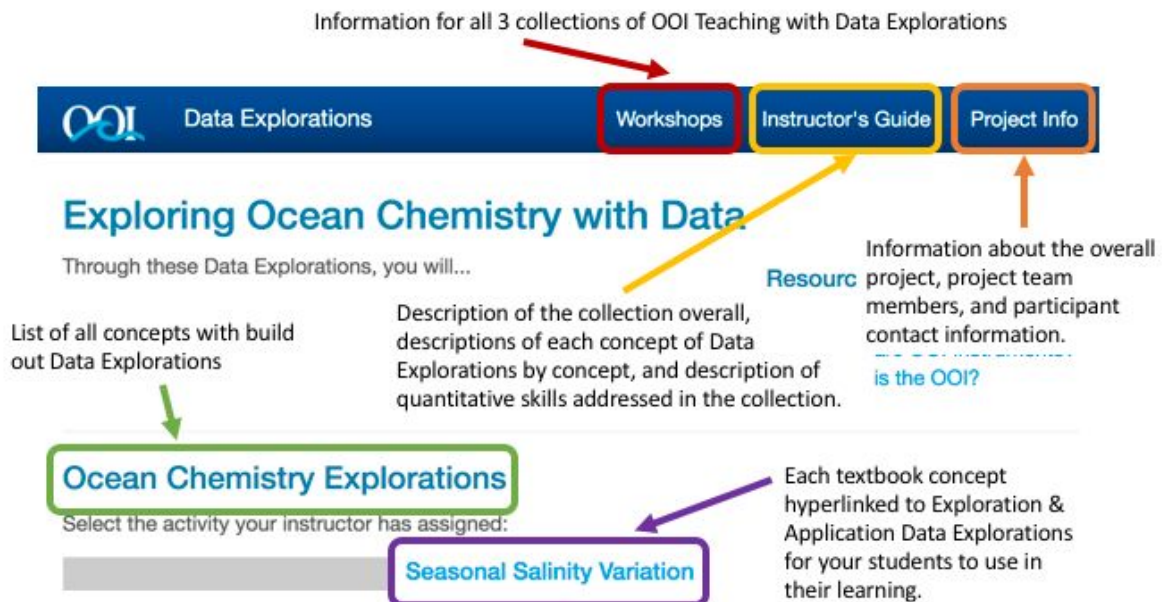


Ocean Observatories Initiative (OOI) Teaching with Data Workshop May 19-21, 2017

Project Website - <http://explorations.visualocean.net/index.php>

The project website hosts all of the activities and resources for the community to share.



Exploring Ocean Chemistry with Data Activities -

1. **Seasonal Salinity Variation** - Students look at timeseries of single-point salinity over space and time to explore the data for changes and patterns.
2. **Processes that Change Salinity** - Students compare time series of air temperature, salinity, precipitation, evaporation, and rain rate at a coastal site over time to explore the data for changes and patterns.
3. **Changes in pH with Depth** - Students compare multiple pH profiles over space and time to explore the data for changes and patterns in how pH varies with depth.
4. **Carbonate Buffering System** - Students compare pH vs water pCO₂ over space and time to explore the data for relationships and patterns in how pH varies with water pCO₂.
5. **Changes in Salinity with Depth** - Students compare multiple salinity profiles over space and time to explore the data for changes and patterns in how salinity varies with depth.
6. **Halocline** - Students compare multiple salinity profiles over space to explore the data for changes and patterns in the location of the halocline over time.