Data Boot Camp Sources

# Free online course to learn R, Python, Excel, etc.

* <https://www.datacamp.com/>
* <https://www.codecademy.com/>
* <https://www.lynda.com/> (free through Duke)

# Coding help

* Google question
* <https://stackoverflow.com/>
* <https://www.r-bloggers.com/>

# Selected National Scale Data Sources

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| --- | --- | --- | --- | --- |
| Agency | Data Type | Data Collected | Spatial | Website |
| EPA | Geospatial | Water Quality | Shapefile | <https://www.epa.gov/waterdata/waters-geospatial-data-downloads#NationalGeospatialDatasets> |
| NHDplus | Geospatial | Watersheds | Shapefile | <http://www.horizon-systems.com/NHDPlus/NHDPlusV2_data.php> |
| NOAA | Observations | Climate | Climate Division | <https://www.ncdc.noaa.gov/sotc/> |
| NOAA | Observations | Climate | Not Spatial | <https://www.esrl.noaa.gov/psd/data/climateindices/list/> |
| USGS | Observations | Groundwater | Point | <https://waterdata.usgs.gov/nwis> |
| Multiple | Observations | Groundwater | Point | <https://cida.usgs.gov/ngwmn/> |
| USACE | Observations | Reservoirs | Point | [https://water.usace.army.mil](https://water.usace.army.mil/) |
| USBR | Observations | Reservoirs | Point | [https://water.usbr.gov](https://water.usbr.gov/) |
| USGS | Observations | Streamflow | Point | <https://waterdata.usgs.gov/nwis> |
| USGS | Observations | Water Quality | Point | <https://waterdata.usgs.gov/nwis> |
| Multiple | Observations | Water Quality | Point | <https://www.waterqualitydata.us/portal/> |
| EPA | Observations | Water Quality | Variety | <https://www.epa.gov/waterdata/storage-and-retrievalwater-quality-exchange-related-links> |
| USGS | Observations | Water Use | County | <https://waterdata.usgs.gov/nwis> |
| NASA | Satellite | Groundwater | Coverage | <https://grace.jpl.nasa.gov/data/get-data/> |
| Climate Engine | Satellite | Variety | Coverage | <http://climateengine.org/> |
| Google Earth Engine | Satellite | Variety | Coverage | <https://earthengine.google.com/datasets/> |
| USGS | Variety | Variety | Variety | <https://owi.usgs.gov/> |