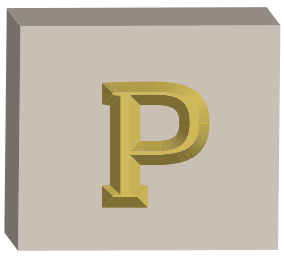
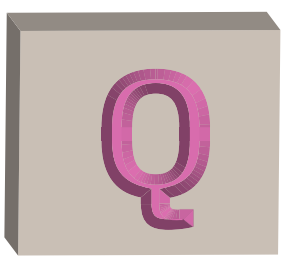
The ABCs of GISc: From P to T



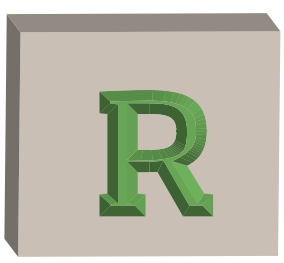
POLLUTION MODELING

GISc has many professional uses across a wide variety of industries. One way it is impacting the world is through pollution modeling. These systems help monitor the air quality and pollution emissions of any given place and then determine if they are in line with the governmental and environmental standards.[1]



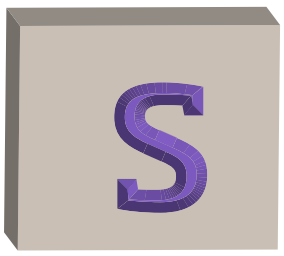
QUANTILE CLASSIFICATION

To aid the objective of a map, a GISc professional will choose the classification system that best fits the data. Quantile classification creates classes that contain an equally distributed amount of features. This allows information to sit alongside values it may not be that closely related to.[2]



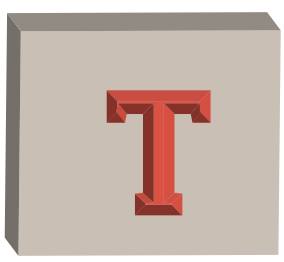
RASTER

In GISc, it's sometimes necessary to layer multiple maps on top of one another to simultaneously analyze the respective data. To do this, professionals often turn to raster maps, which utilize a gridded system to store features and points within set boundaries.[3]



SURVEYING

To create a map of any given location that can accurately display data, the location's features and their parameters must be determined. This practice is known as surveying—and it can be used to measure various elements, including land, geological features and much more.[4]



THEMATIC MAPPING

When specific data needs to be expressed in correspondence to location, such as population distribution, a thematic map can be an effective way to express the information—placing a greater emphasis on the curated statistics than the land's features. GISc professionals can take thematic maps and build upon them, increasing understanding around any given theme.[5]

1. Retrieved on September 28, 2017, from www.apis.ac.uk/air-pollution-modelling
2. Retrieved on September 28, 2017, from pro.arcgis.com/en/pro-app/help/mapping/symbols-and-styles/data-classification-methods.htm#ESRI_SECTION1_1BDD383C17164B948BF546CEADDA70E9
3. Retrieved on September 28, 2017, from desktop.arcgis.com/en/arcmap/10.3/manage-data/raster-and-images/what-is-raster-data.htm
4. Retrieved on September 28, 2017, from support.esri.com/en/other-resources/gis-dictionary/term/surveying
5. Retrieved on September 28, 2017, from thoughtco.com/thematic-maps-overview-1435692