Assignment 9

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2023-03-24, 23:59 IST.

1. A DEM is a raster representation of a ______ surface?
   - Delineate
   - Continuous
   - Triangulated
   - Quadtrees
   No, the answer is incorrect. Score: 0
   Accepted Answers: Continuous

2. Hillshading may be created using a DEM to simulate?
   - Slope
   - Aspect
   - Waterbody
   - Relief
   No, the answer is incorrect. Score: 0
   Accepted Answers: Slope

3. GH (DEM) cell values can be:
   - Only integer numbers
   - Only real (floating) numbers
   - Only positive integer numbers
   - Both positive and negative integer or real (floating) numbers
   No, the answer is incorrect. Score: 0
   Accepted Answers: Both positive and negative integer or real (floating) numbers

4. DEMs are commonly built using data collected using remote sensing techniques, but they may also be built from land surveying:
   - False
   - True
   No, the answer is incorrect. Score: 0
   Accepted Answers: True

5. DEMs are used often in geographic information systems, and are the most common basis for digitally produced:
   - Relief maps
   - Pollution maps
   - Population maps
   - None of the above
   No, the answer is incorrect. Score: 0
   Accepted Answers: Relief maps

6. Most of the terrain data providers (e.g., USGS, ERSDAC, COSPAR, EROS-HRSC) use the term?
   - DSM
   - DTM
   - DEM
   - NDS
   No, the answer is incorrect. Score: 0
   Accepted Answers: DEM

7. All datasets which are captured with satellites, airplanes or other flying platforms are originally:
   - DTMs
   - DSMs
   - DNs
   - None of the above
   No, the answer is incorrect. Score: 0
   Accepted Answers: DSMs

8. DEMs can be generated through number of ways, however most preferred method of generating DEMs is:
   - Contours
   - Remote sensing-based
   - Aerial photographs
   - None of the above
   No, the answer is incorrect. Score: 0
   Accepted Answers: Remote sensing-based

9. Spatial interpolation is the estimation that points closest together in space are more likely to have ______. Values that points far apart:
   - Different
   - Inverse
   - Similar
   - None of the above
   No, the answer is incorrect. Score: 0
   Accepted Answers: Similar

10. Spatial interpolation techniques:
    - Turns raw data into useful information by adding greater informative content and value
    - Reveals patterns, trends, and anomalies that might otherwise be missed
    - Provides a check on human intuition
    - All of the above
    No, the answer is incorrect. Score: 0
    Accepted Answers: All of the above