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Across

- 1 Mapping addresses, places, or lat-long from a table
- 6 State where you need to watch your step if you are mapping the Grand Canyon.
- 7 A _____ API allows you to work with hosted published data services.
- 9 GIS began running on this hardware in the early 1990s.
- 10 Power ___ visualization software.
- 13 Acronym for bad data and its results.
- 14 A portal of a community that uses a free, open source distributed version control system designed to develop projects and share code.
- 17 Computer memory storage for running your GIS jobs.
- 18 A reference from which spatial measurements are made.
- 20 GIS services can be served as these endpoints.
- 20 Automated Attribute.
- 24 Outcome mapping.
- 26 A type of data storage by cells, or pixels.
- 28 Software Development Kit.

- 29 A type of image format, often a geo-_____.
- 31 Organizational Assessment.
- 33 _____ Facilities Management; early term for infrastructure GIS.
- 34 Symbolizing 2D polygons by an attribute into a 3D scene.
- 35 Abbreviation for real time data acquisition.
- 36 Standard file format for storing Lidar data.
- 38 Data Record.
- 41 Outside diameter, or a matrix that finds and measures the least-cost paths along the network from multiple origins to multiple end-points.
- 43 North-South, ____.
- 44 Map the counties in this state and you will have 254 polygons!
- 45 Abbreviation of former journal that morphed into the journal xyHT.
- 46 Allows creating features that connect to each other.
- 47 Data Base Format file extension.
- 48 Software _____ . A set of software tools and programs used by developers to create applications for specific platforms.
- 49 Information Technology; often the department that administers a GIS license.
- 51 Less (than) or equal, in an expression.
- 52 A “_____ out” in some street databases indicating a segment that ends without intersecting another street.
- 55 The symbology, as termed in ArcGIS Online; how the map appears.
- 57 Health professional that would use GIS for ambulance routing.
- 58 Areas showing statistically significant difference.
- 61 One of the key tools for a GIS professional, containing some or all elements of TODALSIGS.
- 62 37 watersheds that provide long-term measurements of streamflow and water quality in areas that are minimally affected by human activities and thus provide a “standard of measure”.
- 63 A reference point, or request for proposal.
- 63 State where you need to watch your step if you are mapping the Grand Canyon.
- 65 _____ finding, a fairly common street type, or _____back historical satellite imagery.
- 66 Originally a term to designate the line segment between two nodes; then _____ Info, _____ View, _____ Map, or now, _____ GIS.
- 68 The attribute _____ is the “I” part of GIS.
- 69 File extension for a ArcGIS Pro project.
- 70 A loop or section of computer code in which an instruction or group of instructions is executed repeatedly.
- 72 A type of GIS file commonly used to store elevation data.
- 73 First letters, in English, of the first two cardinal directions normally given in everyday speech.
- 76 _____ data that typically are characterized by volume, variety, veracity, and velocity.
- 79 A baseline 3D mapped ecosystem of the ocean that has been classified through statistical clustering.
- 80 Great place for mapping one of its 10,000 lakes.
- 81 This organization sets standards, including for mapping.
- 82 This diagram is for a vertical cross-section of a collection of surfaces.
- 86 Urban Planning; or, Yoo-Pers Homeland.
- 87 You might hold and use this device to activate a piece of field equipment or unlock a car.
- 90 Between east and northeast.
- 92 A more common name for UAS or UAV.
- 94 People often map hurricanes, pythons, or perimeters of wetlands here.

- 95 A fundamental function of a GIS, harkening back to Ian McHarg's Design with Nature.
- 96 The limit of a GIS polygon, or the farthest limit that a map shows.
- 98 On a diagram showing the nesting of Artificial Intelligence and Deep Learning, this one is in the middle, between AI and DL.
- 99 A suitable question for a GIS would be, "Which way could I route vehicles ___ China Grove?"
- 100 The most common two-letter road name abbreviation in the USA.
- 101 You can adjust the ___ speed for your drone; or, a 1989 song by the B-52s.
- 102 A coordinate system for nearly the whole world containing wedge-shaped zones, and in meters.
- 103 Addresses on a block can run from the from node to the ___ node.
- 104 Greater Than, in an expression.
- 105 A global association of cartographers.
- 106 Map projection created by a long-time professor at the University of Wisconsin as a compromise between an equal-area and a conformal projection.
- 108 A subset of features in a feature class, or objects in a table, that share the same attributes; used as a method to categorize your data.
- 109 Panes may be docked on opposite ___ s of the ArcGIS Pro window or one may be stacked on top of the other.

Down

- 1 The science of accurately measuring and understanding three fundamental properties of the Earth: its geometric shape, its orientation in space, and its gravity field— as well as the changes of these properties with time.
- 2 Operating System.
- 3 Early, widely-used vector data sets from USGS on transportation, hydrography, contours, and other themes, with major-minor attribute code pairs.
- 4 Format for coordinates that is not DD or DMS.
- 4 A process that attaches a known coordinate system to a scanned map or aerial image.
- 5 Shorthand for agricultural data.
- 8 Enhanced Thematic Mapper on Landsat.
- 9 The first nationwide digital street database with address ranges, from and to nodes, and left and right side polygons.
- 11 The third state beginning with M if the M states are sorted alphabetically.
- 12 ArcGIS ___ is a cloud-based engagement platform that enables organizations to communicate more effectively.
- 15 The Internet of Things.
- 16 A versatile scripting language that is a part of the ArcGIS platform.
- 21 The error code that was used in civilian GPS until the year 2000.
- 23 Tool that calculates distance and additional proximity information between the input features and the closest feature in another layer or feature class.
- 25 Zone 1 in this coordinate system begins at 180 degrees West Longitude and stretches 6 degrees of longitude to the east.
- 27 From origin ___ destination.
- 30 Augmented Reality.
- 32 A language ingestible by many GIS software sets, created by Keyhole, then Google.
- 37 Multimedia, cloud-based web mapping application that explains a problem, place, program, or issue, in wide use globally.
- 39 Data that describes the behavior of people in an area, such as a zip code or block group.
- 40 Upper air; or user activity.
- 41 A web mapping application that provides a dynamic visualization of a phenomenon or issue, usually in real time and usually as a single or small number of screens, containing maps, charts, images, graphs, and other items.
- 42 Application Programming Interface.
- 43 Earthquake epicenters, flood stage, traffic, and wildfire perimeters are examples of GIS data that is streamed in _____ (drop the first letter).
- 48 Feature Manipulation Engine.
- 50 A single straight line segment contains ___ nodes.

- 53 Land Survey.
- 54 A university in the largest city in Texas, named for that city.
- 55 Abbreviation for common type of vector GIS dataset; pre-dates a gdb.
- 56 Minimum Mapping Boundary.
- 56 ____ determined.
- 57 In early days of geocoding, the spelling of this abbreviation caused some grief due to many variant spellings and punctuation; denotes holiness.
- 59 Versatile, powerful coding language commonly used in GIS.
- 60 The first two letters in a field emerging from design and CAD; focused on interior spaces: ____ Modeling.
- 64 Abbreviation for ArcMap map document.
- 65 Web Object Management.
- 67 Good place where you could map “Fourteeners”, ski areas, and the Mile High City.
- 68 ____ and max files are the lowest and highest values in a dataset.
- 69 Artificial Intelligence.
- 71 Second only to ST as the most widely used street suffix abbreviation in the USA.
- 71 Keeping track of these browser items in web-based mapping is one key to success.
- 74 Hydrography—rivers and lakes, could be considered a data ____.
- 75 The direction to which a slope faces.
- 76 A proximity zone.
- 77 Abbreviation for common type of vector GIS dataset that emerged around 2000.
- 78 Six map projections that are pseudocylindrical, the latitudes are parallel lines; in the odd-numbered projections, the latitudes are equally spaced, while their even-numbered counterparts are equal-area.
- 83 An entity in a GIS vector model; it could be a point, line, or polygon.
- 84 A mathematical construct for representing geographic objects or surfaces as data, and the process of spatial analyses that can be used on that data.
- 85 Attributes in network analysis that are used to measure and model impedances, such as travel time or demand.
- 88 If your first use of GIS was in the days of minicomputers and digitizing tablets, congratulations! You can safely be considered ____ but a lifelong learner!
- 91 National Lands; or, The Netherlands.
- 93 End Point.
- 97 A tool that can be used to remove lines or points from the input features.
- 103 The database used in early Esri software.
- 104 Acronym for GPS, GLONASS, Galileo, and other similar systems.
- 105 Image Subsystem Interface.
- 107 An early GIS file format from Tape Address Register, denoting that the files originally came from magnetic tape.