



Alpha Anywhere Q&A

February 23, 2022



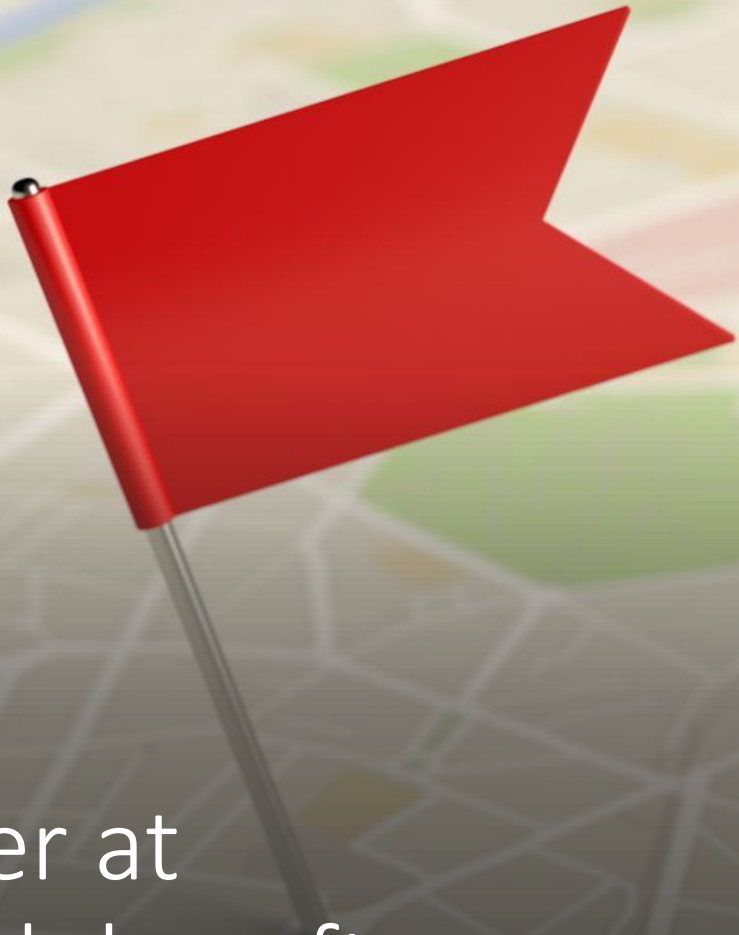
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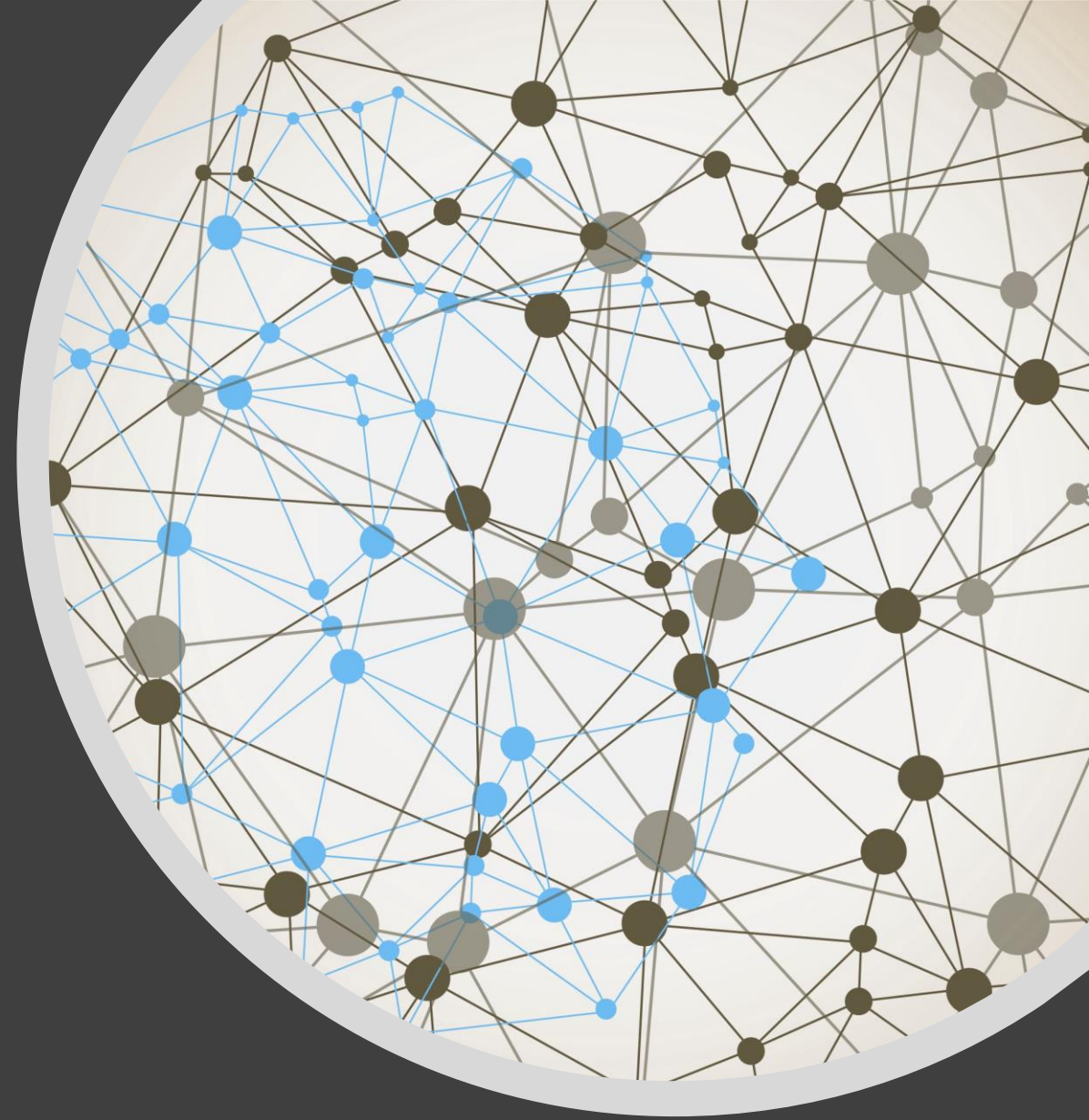


Geography Search Part 2

Querying geospatial data to gain insights and drive better decisions

Geospatial Data

- Information that describes objects, events, or other features with a location on or near the Earth's surface.
- Geospatial Data includes locations, line segments, and polygon data



Storing Geospatial Data



Data stored as a Geometry or Geography data type



Database Support: SQL Server, Oracle, DB2, PostgreSQL, MySQL



Support varies significantly between different database systems

Geography Search - Lists

- Built-in support for encoding locations as Geography Data
- Need to build your own Search UI
 - Portable SQL Geography Functions
- Demo: Radius Search

Portable SQL Geography Functions

- GeogLocationIsWithinRadius()
 - Matches all records with a Location within X meters of a Location
 - GeogLocationIsWithinPolygon()
 - Matches all records with a Location within a Polygon defined as 3 or more Locations
 - GeogCreateLocation()
 - Creates a Location from a Longitude and Latitude value
 - GeogCreatePolygon()
 - Creates a Polygon from a list of Longitude and Latitude values
-

```
mirror_mod = modifier_ob.  
# Set mirror object to mirror_  
mirror_mod.mirror_object =  
operation == "MIRROR_X":  
mirror_mod.use_x = True  
mirror_mod.use_y = False  
mirror_mod.use_z = False  
operation == "MIRROR_Y":  
mirror_mod.use_x = False  
mirror_mod.use_y = True  
mirror_mod.use_z = False  
operation == "MIRROR_Z":  
mirror_mod.use_x = False  
mirror_mod.use_y = False  
mirror_mod.use_z = True  
  
# selection at the end -add  
mirror_ob.select= 1  
modifier_ob.select=1  
context.scene.objects.active  
("Selected" + str(modifier_ob.name))  
mirror_ob.select = 0  
= bpy.context.selected_object  
data.objects[one.name].select  
  
print("please select exactly 1 object")  
  
-- OPERATOR CLASSES ----  
  
types.Operator):  
X mirror to the selected  
object.mirror_mirror_x"  
mirror X"  
  
context):  
context.active_object is not
```