

1. How many different types of content can you save in your ArcGIS online account? (Tips: go to the “Content” in the top menu. Then click on “Item Type”). What are the differences between “Maps” and “Apps” in ArcGIS online? (3)

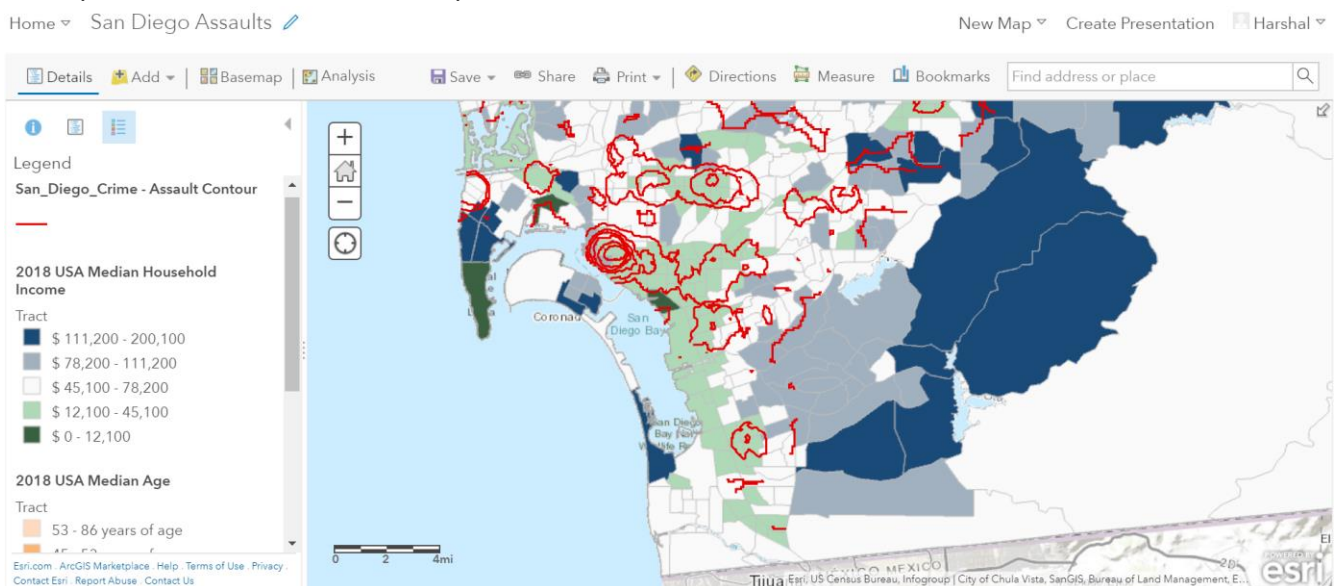
- There are 6 different types of item type that can be saved in our ArcGIS online account. They can be listed as follows:

- I. Maps
- II. Layers
- III. Scenes
- IV. Apps
- V. Tools
- VI. Files

In ArcGIS online platform, maps and apps are the configuration content types which are used for mapping, visualization and analysis. Maps has different kinds of web apps and map files whereas apps include web, mobile and desktop apps. A map displays an interactive geographic information compatible with various devices which can be accessed in a browser, mobile devices or desktop app. The apps are however designed and constructed from maps with additional specifications and configurations and can be accessed in a browser. For analysis different kinds of layers can be added on the maps on the ArcGIS platform and there is also functionality of changing the default base map. Maps also allow feature of shareability on social media as well as among different collaborators from same or different organization. On the other hand an app can have different structure depending on type of an application. They are based on standard templates and configured using maps. Apps can also be managed independently and hosted as part of the content in the system.

2. Describe the two new map layers you added and the share link (URL) of your new ArcGIS online map. (2)

- I was curious on knowing the assault crime cases happening in San Diego and if it is related to the household median income. The first layer I added was San Diego Crime and then I narrowed the crime list to only assaults. Later I added the layer of median household income.



From the above map we can observe that the assault crimes are mostly observed in regions with median income in the range of 12k to 45k. And rarely any crimes happened in place with household income more than 100k.

Later I tried to also check the median age and unemployment rate in these places to find any patterns.

The link to the GIS map is : <https://arcg.is/1CSXT0>

3. What is your role and responsible tasks in your group project (2)

I am part of Team1: Rideshare data from San Diego Airport. Our dataset involve rides booked with timestamp as granular as seconds. I intend to perform timeseries analysis on that dataset using Python to forecast total weekly or daily ride count for the upcoming week or month by training a model on given 6 months of data containing more than half a million records of booked rides. For forecasting I plan to use the ARIMA statistical forecasting model which is available in statsmodels python library.

4. Include the Source Codes and Screenshots of the myfirstHTML.htm (2)

Source Code:

```
<html>
<head>
  <title>GEOG 594</title>
</head>
<body style="background-color: powderblue;">
<center><h1>Lab 5: ARC GIS and Project Website Creation</h1>
  <h2 style="color:red;">In this file we shall cover basic html tags</h2>


<p>This is me intervieweing pepper at the SDSU AI lab</p>

<p>The link to our SDSU Geogrpahy website can be accessed by clicking:
<a href="http://map.sdsu.edu/bigdata/">Click here</a>
</p></center>
</body>
</html>
```

Screenshot:



5. What is the URL of your Project Website? Please also include a Screen shot of the Project Website Home Page. (3)

Website URL: <https://sites.google.com/view/geog594-harshal/home>



Note: we are still finalizing the website template and design and the above screenshot is just a proof of concept or template that we are planning to use.

6. Introduce the WordPress web authoring tool and compare the differences between WordPress and Google Site (3).

-WordPress is basically a content management system written in PHP and database is handled using MySQL platform. It allows creation of websites from scratch or by using their predefined templates. The website templates are mostly free but there also do exist few templates that are paid. WordPress also has free and paid plugins to do various customizations in the website for example if there is a need of email signup pop up or you wish to add social media icons on your site then such things are generally done using custom plugins. WordPress is extensively used mainly for the purpose of creating a blogging website. In order to use WordPress it has to be installed on a web browser either part of an internet hosting service like WordPress.com or by using a local host like XAMPP or WAMP that runs a software package WordPress.org.

WordPress	Google Sites
1. This web authoring and website design tool is a bit complex to create a website in comparison to Google sites	1. The main purpose of google sites is to help build a website in an hour or less and thus it is less complex compared to WordPress.
2. It is a highly extensible tool with large number of features and it also has functionality of adding plugins to enhance its functionality.	2. Google site has tight integration with commonly used apps like calendar, google drive, maps , YouTube etc.
3. It is free but some of the advanced features offered by plugins could be chargeable.	3. Free user gets only 100MB of storage whereas paid user can get from 10 to 100 GB of storage space.
4. This platform has large number of themes and designs available online.	4. The availability of themes and designs is a bit low compared to WordPress.
5. It can be used for small as well as big websites and especially for blogs	5. This platform is more suitable for small websites.