

Announcements

- Check in on map tutorials
 - First map tutorial write-ups were due by 2:00 PM Mountain Time Wed/Thurs
 - Map tutorials turned in using the Microsoft Form on the [Map Tutorial assignment page](#)
- First Voices of GIS guest next Thursday!
 - Lee Macholz of [Missoula City GIS](#)
 - Submit questions for Lee by 2:00 PM on Tuesday
 - Filming?

Whence Geospatial Data: (Mis)Placing things

Kyle Bocinsky

FORS350 / GPHY488

(Forestry) Applications of GIS

University of Montana

WA Franke College of Forestry & Conservation

(Mis)Placing things

- Understanding the Global Positioning System(s)
- Placing things with ArcGIS Field Maps



How is GPS changing the world?

- In 2008, only 8% of US used GPS on Mobile Phones
- From 2010 to 2014, GPS production went from 500 million to 1.1 Billion
- By 2014, 81% had adopted Mapping Apps
- By 2022, over 7 billion GPS chips were manufactured!

ArcGIS Field Maps

A new[^] data collection tool from ESRI

[^]: Sort of a re-brand, really...

ArcGIS Field Maps

Step 1: Install the ArcGIS Field Maps app



ArcGIS Field Maps

Step 2: Create a map on ArcGIS Field Maps Designer

<https://www.arcgis.com/apps/fieldmaps/>

- Sign in with our ArcGIS Organization's URL:
umontana.maps.arcgis.com
- Follow with you UM NetID credentials
- Select **+ New Map** to start a new map
- Build layers first, then configure forms

ArcGIS Field Maps

Step 3: Access your map from the Field Maps app, and start collecting data!

- Sign in with our ArcGIS Organization's URL:
umontana.maps.arcgis.com
- Your maps should appear in your app (pull down to refresh)

My Griz Life

Your family and/or non-Griz friends miss you!

Create a map that shares what you enjoy about the University of Montana Campus.

1. Create a map in Field Maps Designer titled “My Griz Life”

My Griz Life

2. Create a layer to map out your activities around campus

- Develop a simple form
- Consider using a **Choice** field (*Combo Box* or *Radio Buttons*) for different types of activities (e.g., Academics, Extracurriculars, Food)

My Griz Life

3. Start collecting data!

- Consider adding photos or other attachments to help illustrate your life
- **Be mindful of content!**
Please don't share anything you wouldn't want your grandmother (or me, or others) to see

My Griz Life

4. When you are done collecting data, share your map with the **Applications of GIS — Spring 2024** group on ArcGIS Online
 - Join the group¹ by clicking **Groups** in the top menu bar, then **My Organization's Groups** on the right. Search for **Applications of GIS**, and click **Join Group** on the bottom left.
 - Share by 2:00 PM on Tuesday, February 13 for **10 participation points**

My Griz Life

QUESTIONS?