

Activity XIII : Privacy

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Overview

In this activity, we will practice our forensics analysis skills to see what private information we can pull from photos.

Part I: Photo Meta-Data

A lot of information is easily embedded in photos, such as GPS coordinates.

Download this photo: <https://goo.gl/XtHkMH>

Use any tool of your choice to find out what meta-data information is included in the photo. Answer the following questions.

1. Where was the photo taken?
2. What other meta-data information is included with the photo? Describe which meta-data information can be used for forensics, and how.
3. Upload the photo to facebook. Does facebook know where the picture was taken?
4. If someone were to download it from facebook after your post above, would they know where it was taken? Why?
5. Modify the picture on your computer (crop, resize, etc.). Does the location information disappear? If not, find a way to remove the meta-data information from the photos. Describe how you removed it and upload it.
6. Is it a good idea to have location information in photos? Discuss the security/privacy implications.
7. If you do not wish to have this information recorded in your photos in the first place, what do you need to do?
8. Did you check your own mobile phone settings? What will you do from today onwards? Will you share your location information with any app?