

Introduction to ArcGIS Pro

Research Computing Services (<http://rcs.bu.edu>)

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Link to Slides & Data Set:

<http://scv.bu.edu/examples/gis/arcgis/>

BOSTON
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Housekeeping

- My assistant: Yun Shen
- This session is recorded.
- Will be published here:

<https://drive.google.com/drive/folders/12xGX0drv0X60oetm5L6UFFg6GQ4-cqgL>

Link to Presentation:

http://rcs.bu.edu/examples/gis/arcgis/arcgis_pro_basics.pdf

Agenda

- Summary of ESRI Products
- What is ArcGIS Pro?
- QGIS vs ArcGIS Pro
- Resources/Documentation
- Let's Explore ArcGIS Pro

Summary of ESRI Products



Summary of ESRI Products

1. Desktop Application

a) ArcGIS Pro

- Create maps for printing
- Symbolize spatial data
- More tools to create, edit, delete spatial data
- Toolboxes for spatial analysis
- Upload data or maps to ArcGIS Online to share

2. Cloud

a) ArcGIS Online

b) ArcGIS StoryMaps

c) ArcGIS Apps

d) ArcGIS Living Atlas

e) ArcGIS Hub

- Create maps with symbology
- Some spatial processing tools
- Easy to share maps or spatial data

3. Enterprise Server

a) ArcGIS Enterprise

- ESRI managed data repository

Summary of ESRI Products

Where can I get ArcGIS Pro?

- Works **ONLY** on Windows
- Cannot be installed on the SCC (Linux)
- Alternative – QGIS (<https://www.qgis.org/>)

- CAS IT
 - Free for CAS Students, Faculty, Staff
 - For others - contact CAS IT for Pricing.
 - <http://www.bu.edu/casit/information/purchasing-software/>

Summary of ESRI Products

Where can I get ArcGIS Online access?

- CAS IT can create an account for you
- <http://www.bu.edu/casit/help-request/>

What is ArcGIS Pro?

What is ArcGIS Pro?

- **Desktop Application**
 - **Read/write spatial data**
 - **Apply transformations for projections**
 - **Apply symbology based on attribute table**
 - **Allow layering of data**
 - **Tools to query/filter data**
 - **Spatial analysis tools**
 - **Exporting tools for printing maps or publish web maps**

What is ArcGIS Pro?

- V1.0 - Released in 2015
- V2.x - Released in 2020
- Prior to *ArcGIS Pro* was *ArcGIS*
 - ArcMap (current release – 10.8)
 - ArcCatalogue
 - ArcInfo
 - ArcGlobe

What is ArcGIS Pro?

- Licensing levels
 - Basic
 - Standard
 - Advanced

<https://pro.arcgis.com/en/pro-app/get-started/license-levels.htm>

QGIS vs ArcGIS Pro

QGIS vs. ArcGIS Pro

QGIS	ArcGIS Pro
Free	Annually pay for License
Works in Windows, Mac, Linux	Windows Only
Can examine and modify code.	Black box
Lots of Googling to troubleshoot	Full tech support
Documentation outdated	Documentation up to date
Training material available (maybe outdated)	Many training material and examples available
User interface can be confusing	Very User Friendly
No multi-threading/parallelization support for spatial tools	Some multi-threading/parallelization support for spatial data

Resources/Documentation

Resources/Documentation

Introducing ArcGIS Pro

<https://pro.arcgis.com/en/pro-app/get-started/introducing-arcgis-pro.htm>

Help Documentation

<https://pro.arcgis.com/en/pro-app/help/main/welcome-to-the-arcgis-pro-app-help.htm>

ArcGIS Pro Tool Reference

<https://pro.arcgis.com/en/pro-app/tool-reference/main/arcgis-pro-tool-reference.htm>

ArcGIS Pro Python Reference

<https://pro.arcgis.com/en/pro-app/arcpy/main/arcgis-pro-arcpy-reference.htm>

Lesson Galleries of specific applications of GIS

<https://learn.arcgis.com/en/gallery/>

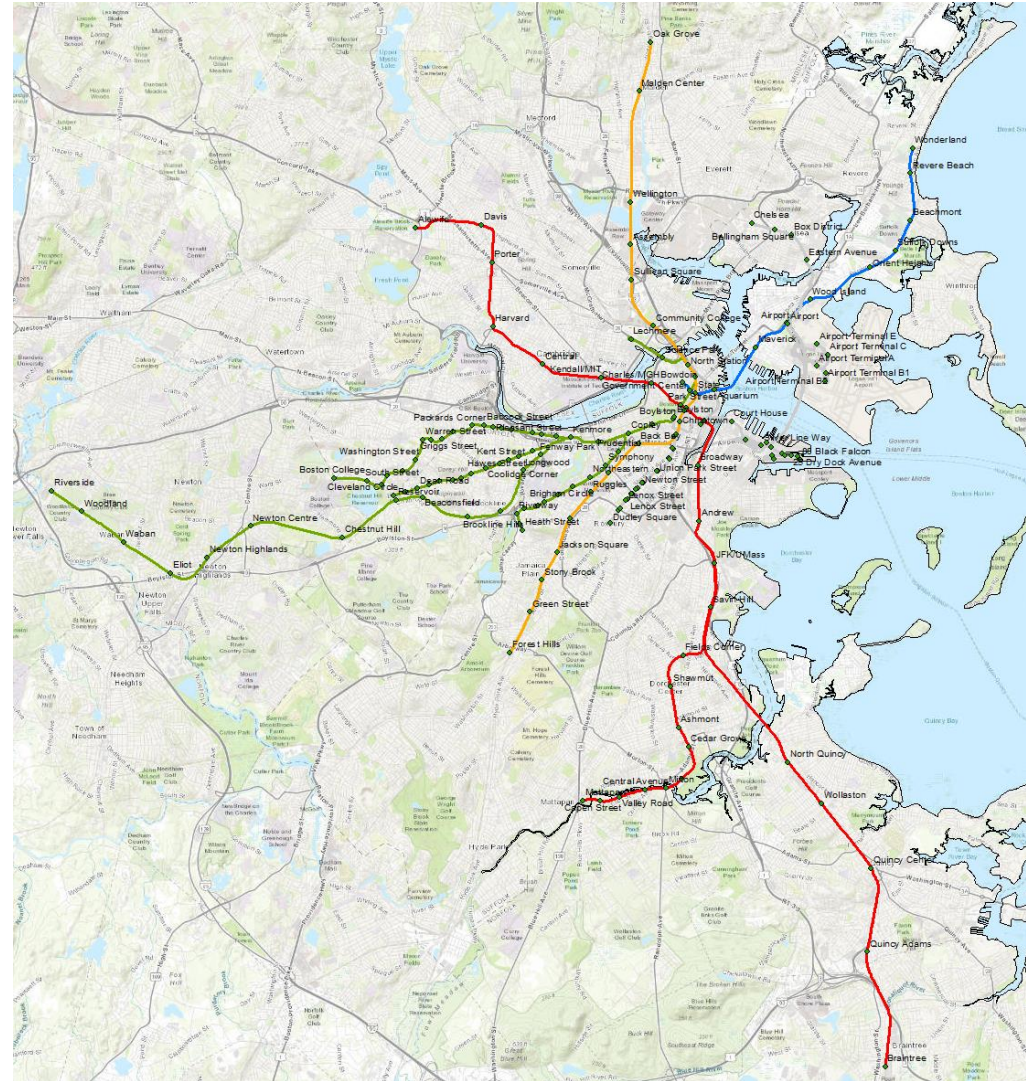
Let's Explore ArcGIS Pro



Let's Open ArcGIS Pro!

Download Dataset:

http://scv.bu.edu/examples/gis/arcgis/tutorial_files.zip



Questions

Please fill out tutorial evaluation:

<http://rcs.bu.edu/eval>

Email me at:

help@scc.bu.edu