Introduction to ArcGIS Pro

Aleksey Sheshukov, Sue Brown, Will Boyer

KCARE
Kansas Center for Agricultural Resources and the Environment

K-STATE
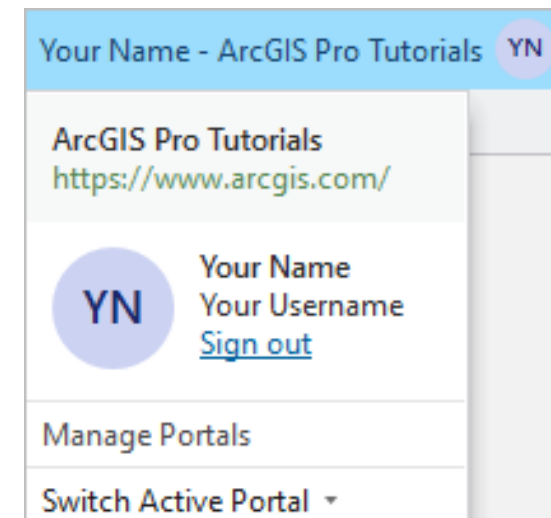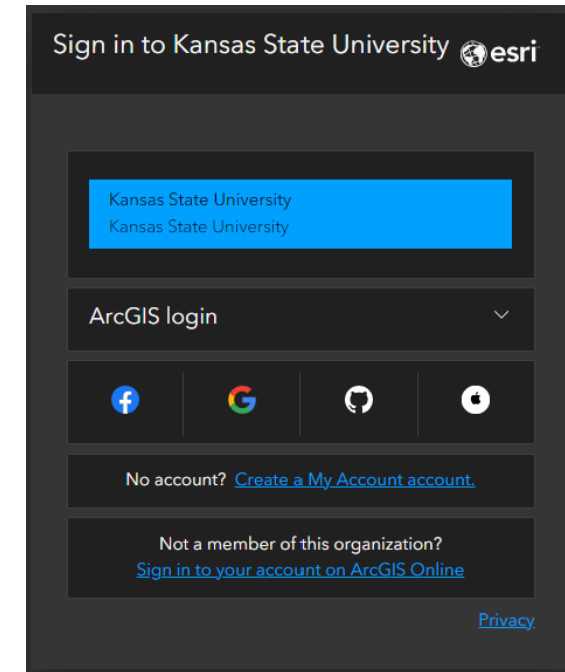Research and Extension

What is ArcGIS Pro

- ArcGIS Pro is a full-featured professional desktop GIS application from ESRI

- With ArcGIS Pro, you can:
  - Explore data
  - Visualize data
  - Analyze data
  - Create 2D maps and 3D scenes
  - Share your work to ArcGIS Online or your ArcGIS Enterprise portal

ESRI's ArcGIS Account

- K-State-ESRI Multi-Institution Higher Education Site License
  – For all faculty, staff, students, and administrative units
  – Can install and use ESRI software products on both university-owned and personal computers
  – Licenses last for one year and typically expire/renewed in late spring
  – Currently, paid for by K-State Libraries

- K-State GIScience Virtual Collaboratory
  – https://gis.ksu.edu/software/
  – Managed by Shawn Hutchinson (Geography)

- ESRI Account Linked to K-State
  – https://gis.ksu.edu/files/LinkEsriAccount_Jan2023.pdf

- Install ArcGIS Pro Software
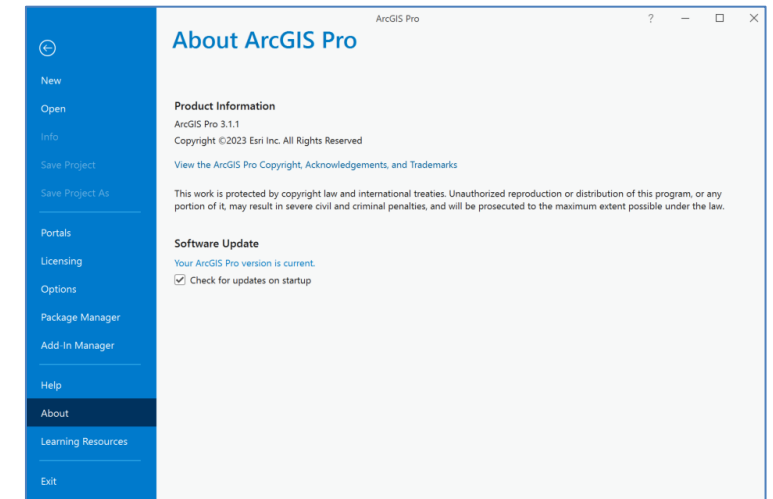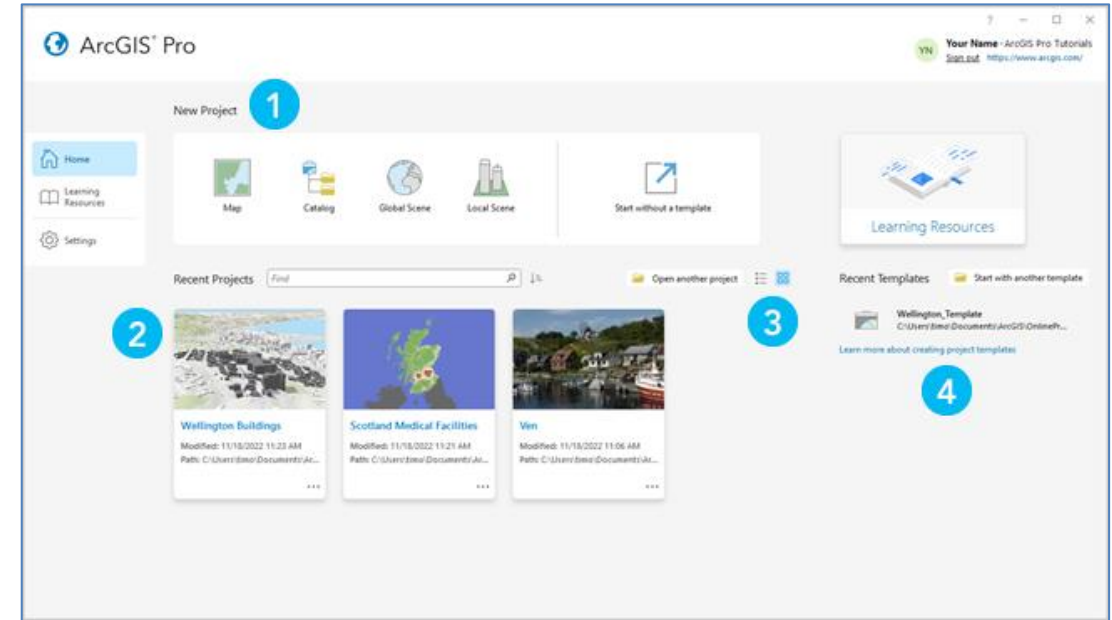 – https://gis.ksu.edu/files/ArcGISProInstallGuide_Jan2023.pdf

Signing In to ESRI

- You sign in the ArcGIS Pro with your K-State credentials

- Once ArcGIS Pro starts, the sign-in menu is available on the start page and at the top of the application window

KCARE
Kansas Center for Agricultural Resources and the Environment
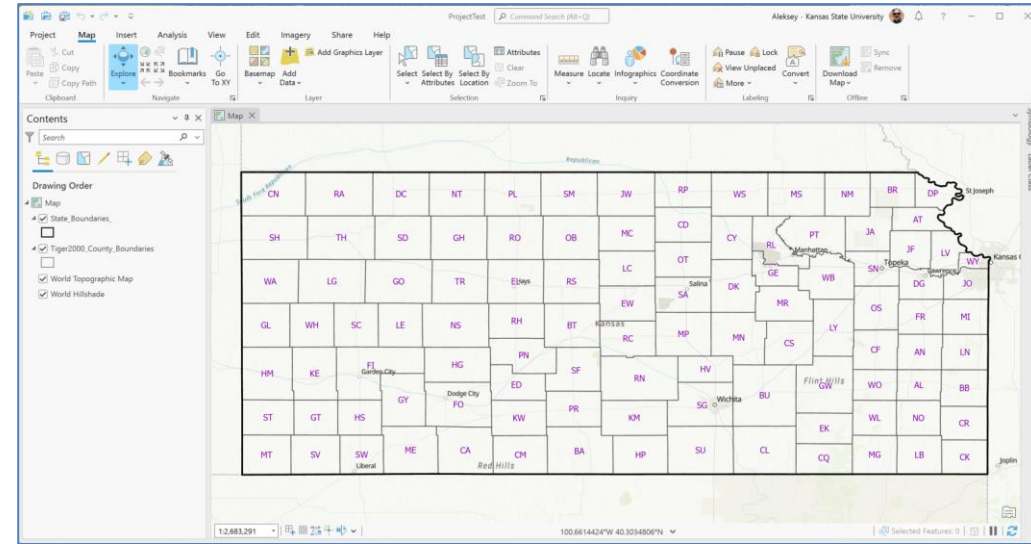
-STATE
Research and Extension

Start Page

- By default, ArcGIS Pro opens to a start page
- The start page has three tabs
  - Home tab
    - Start new projects and open existing projects
  - Learning Resources tab
    - Find resources to help develop skills, solve problems, and answer questions
  - Settings tab
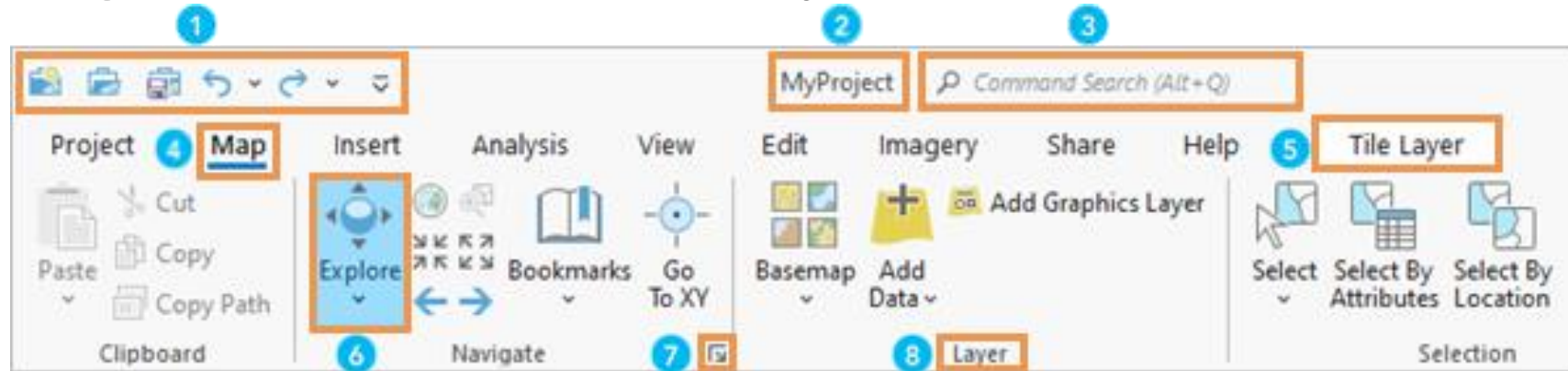   - Configure and manage the application.

ArcGIS Pro Project

- A project is a body of work that may include
  - Maps
  - Scenes
  - Layouts
  - Connections to resources (system folders, databases)
- Project files have the extension *.aprx*
- A project is stored in its own folder along with an associated file geodatabase and toolbox.
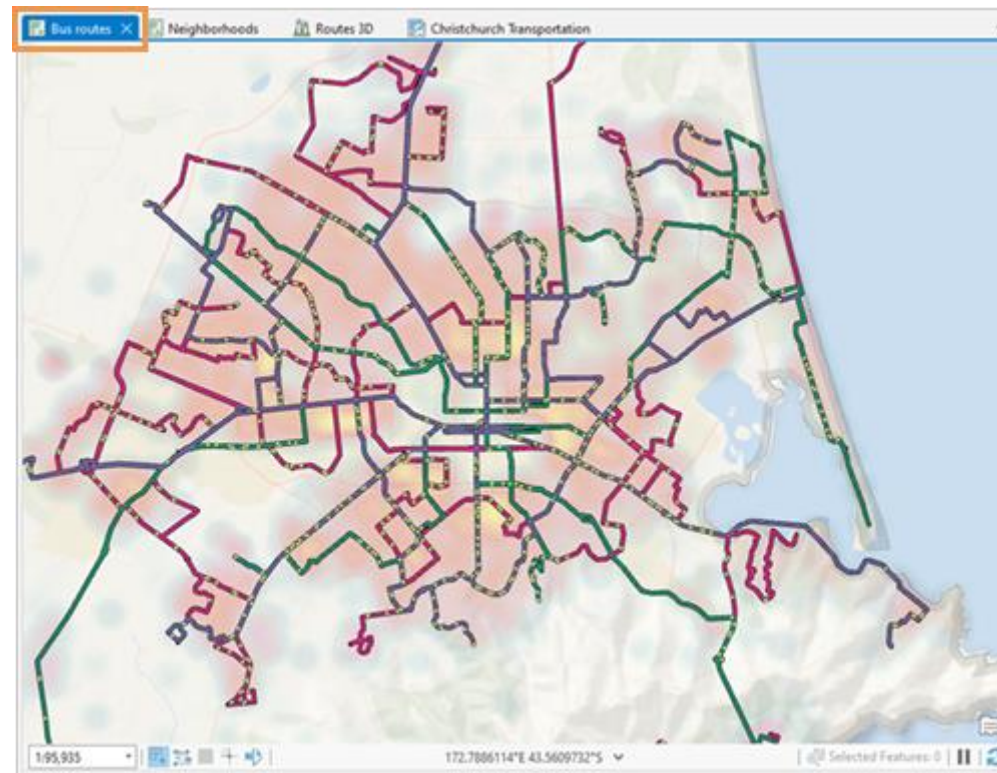
ArcGIS Pro user interface: Ribbon
Organizes functionality in a series of tabs

1. The Quick Access Toolbar has commonly used commands
2. The name of the project appears at the top of the application
3. Command search helps find and run commands
4. Core tabs are always present. They organize functionality
5. Contextual tabs appear when the application is in a state appropriate for their use
6. Buttons and tools run commands
7. Dialog box launchers open panes or dialog boxes with more functionality
8. Groups organize related commands on a ribbon tab
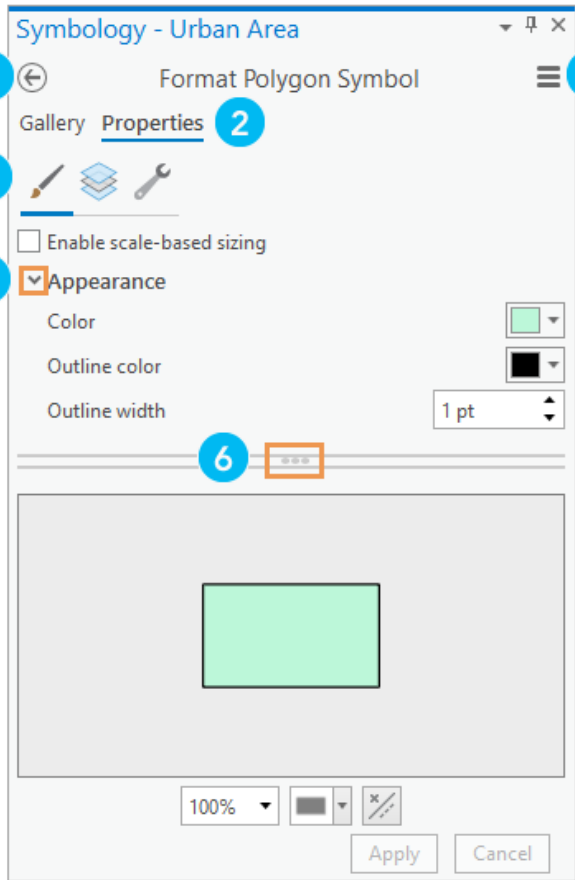
ArcGIS Pro user interface: Views
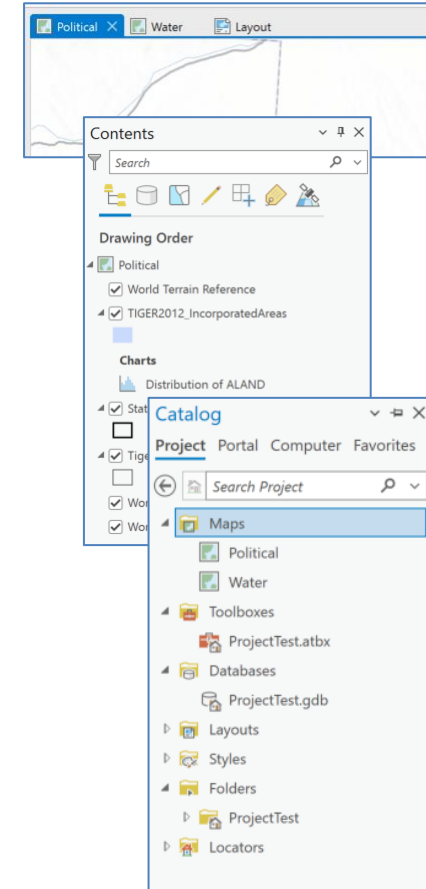## Windows for working with maps, layouts, tables, etc.
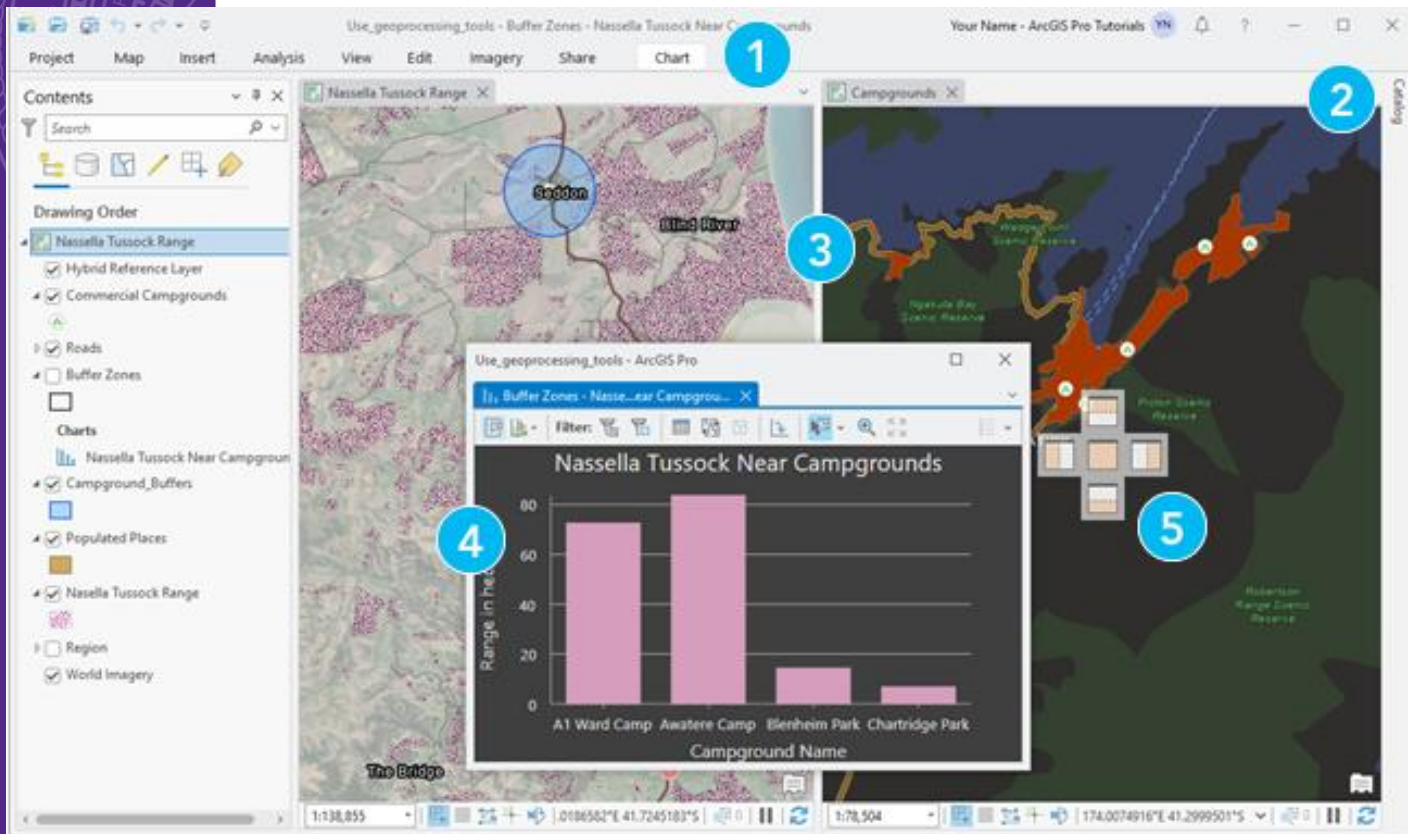
ArcGIS Pro user interface: Panes
Displays the contents of specific view or project or commands

1. Some panes have multiple pages of functionality
2. Text-based primary tabs, such as Gallery and Properties, partition functionality
3. Graphical secondary tabs partition the functionality of a primary tab
4. Expanders are small arrows that you click to show or hide settings
5. The Menu button Menu has additional commands
6. Handles allow you to resize areas of a pane by dragging

Arranging User Interface

1. Minimize the ribbon
2. Automatically hide a pane to minimize it
3. Make a new tab group to divide view space
4. Float a view
5. Dock a view