



INKSCAPE FOR STEM

Simple Steps to Turn Sketches into Digital Communication

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Why Inkscape?

Being able to communicate our research clearly and succinctly is essential to our training and success as researchers.

Programs such as Adobe Illustrator and BioRender, while excellent at helping fill this gap, are **expensive**. However, with some tips and training, anyone can make professional, publish-ready graphics using the **free, open-source** software **Inkscape**.

My goal is to make figure design and implementation **accessible to anyone**.

Project Goals



1. Develop a web resource: inkscapeforstem.com



2. Host a workshop for UC Davis community



3. Enhance online resources for research community via YouTube

Outcomes



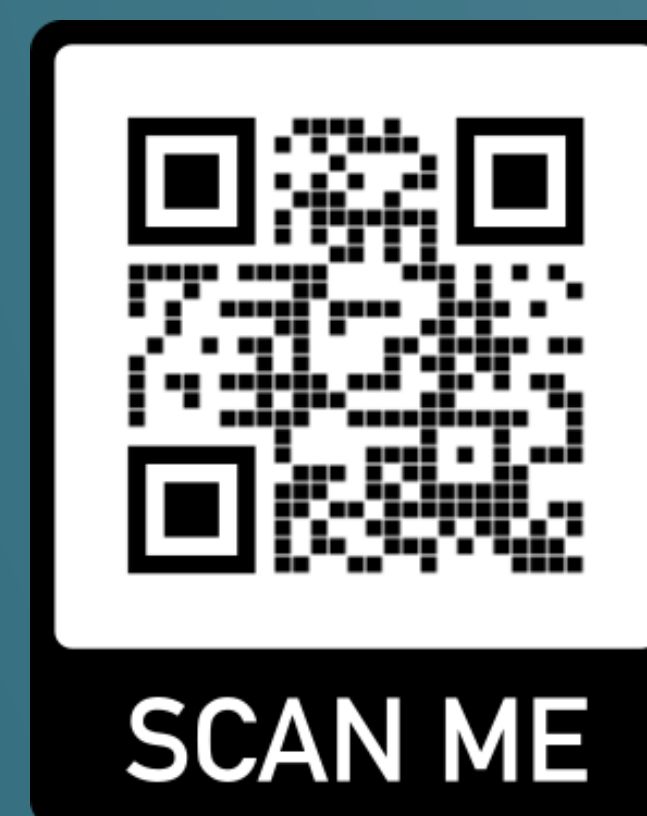
Website was developed using a combination of Frution, Notion, and Cloudflare to keep costs low (\$10 a year).

Content was broken into several key modules:

- 1.1 Inkscalling Inkscape
- 1.2 Navigating the User Interface
- 2.1 Making Shapes and Strokes
- 2.2 Modify and Merge Shapes via Path Effects
- 3.1 Custom Images and Shapes via Bezier Tool
- 4.1 Importing Figures from other Programs
- 4.2 Figure Size and Exporting



Official Launch May 1st, 2022
367 Retweets, 1,266 likes
@inkscpaeforstem twitter account has 299 followers



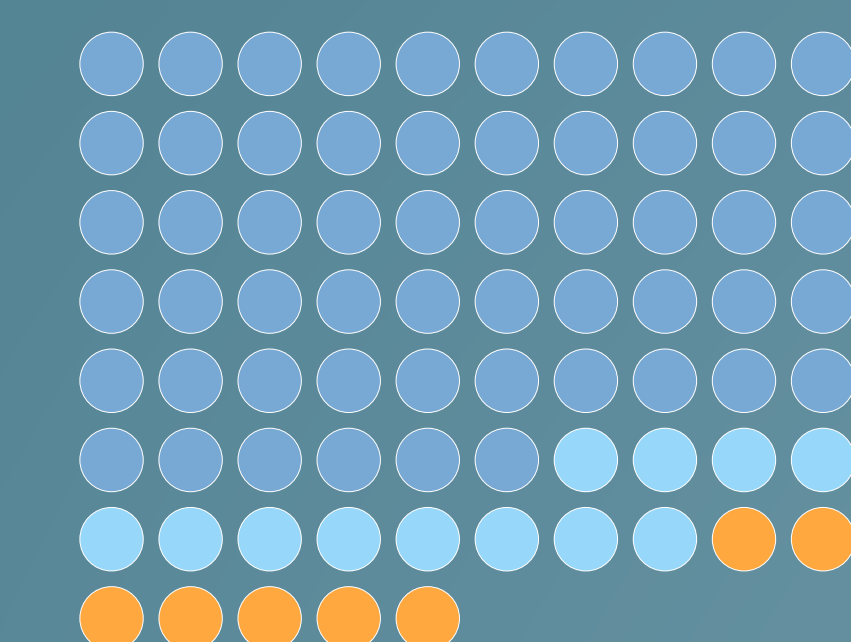
Since launch:
over 5.46K unique visitors from 19 different countries

Scan or go to inkscapeforstem.com



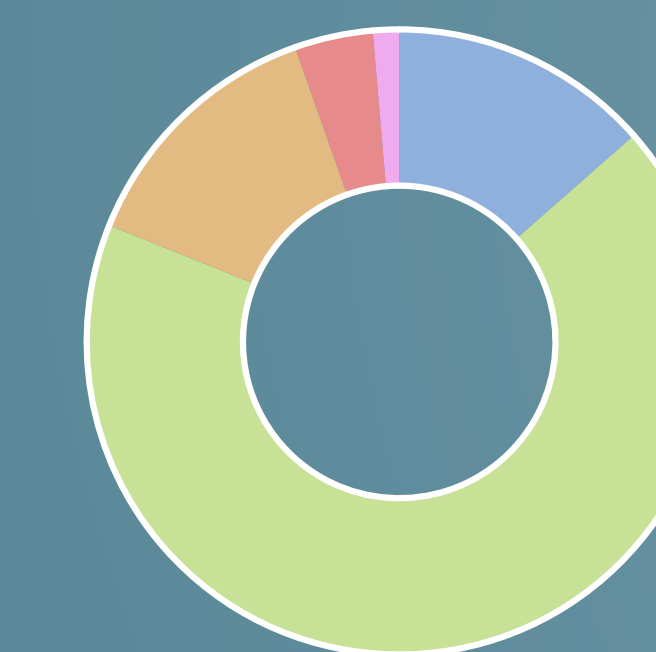
Three workshops were held (2 in-person, 1 virtual, 74 total attendees) on hands-on help with the goal of turning a sketch into a figure.

Attendees included:



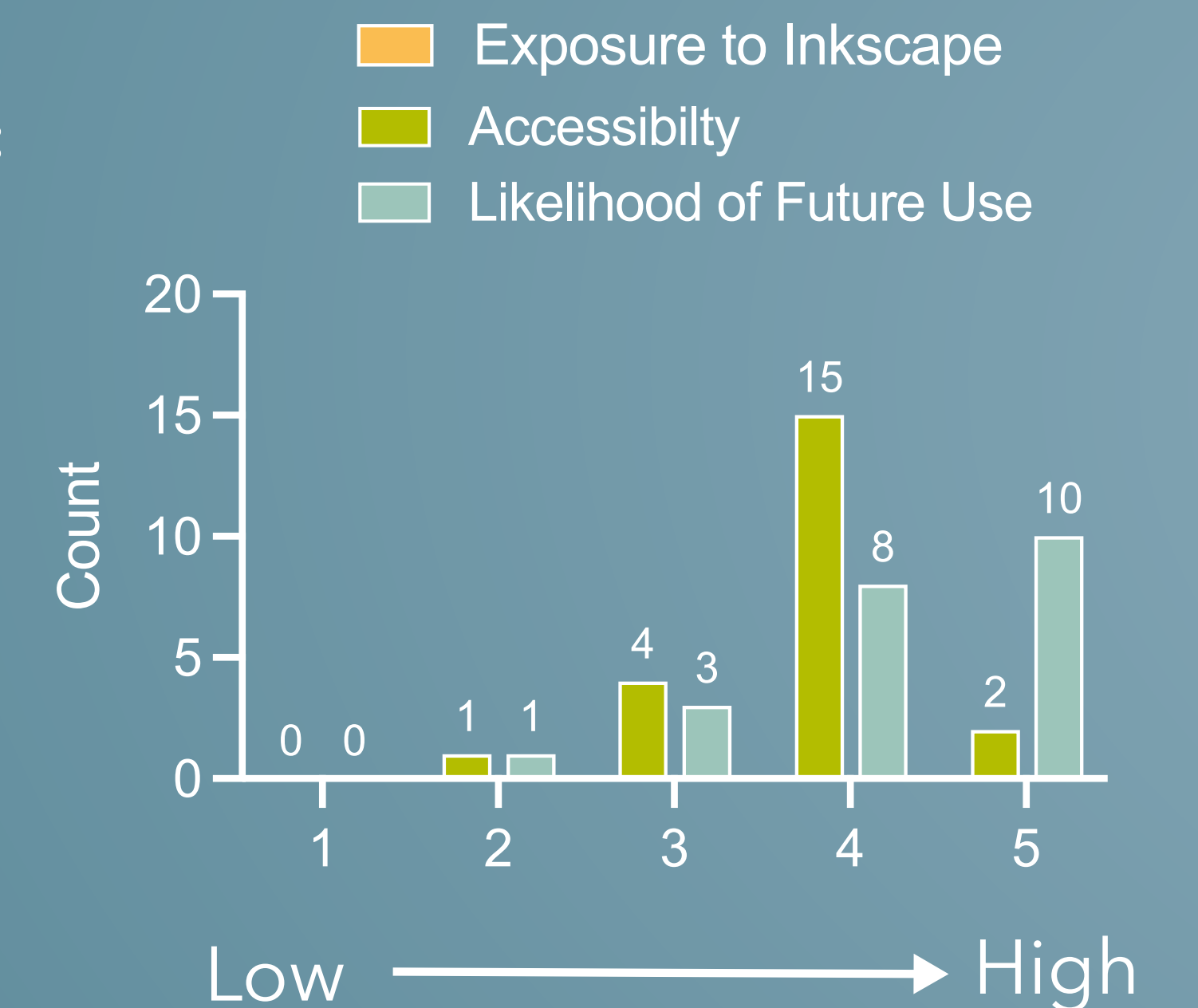
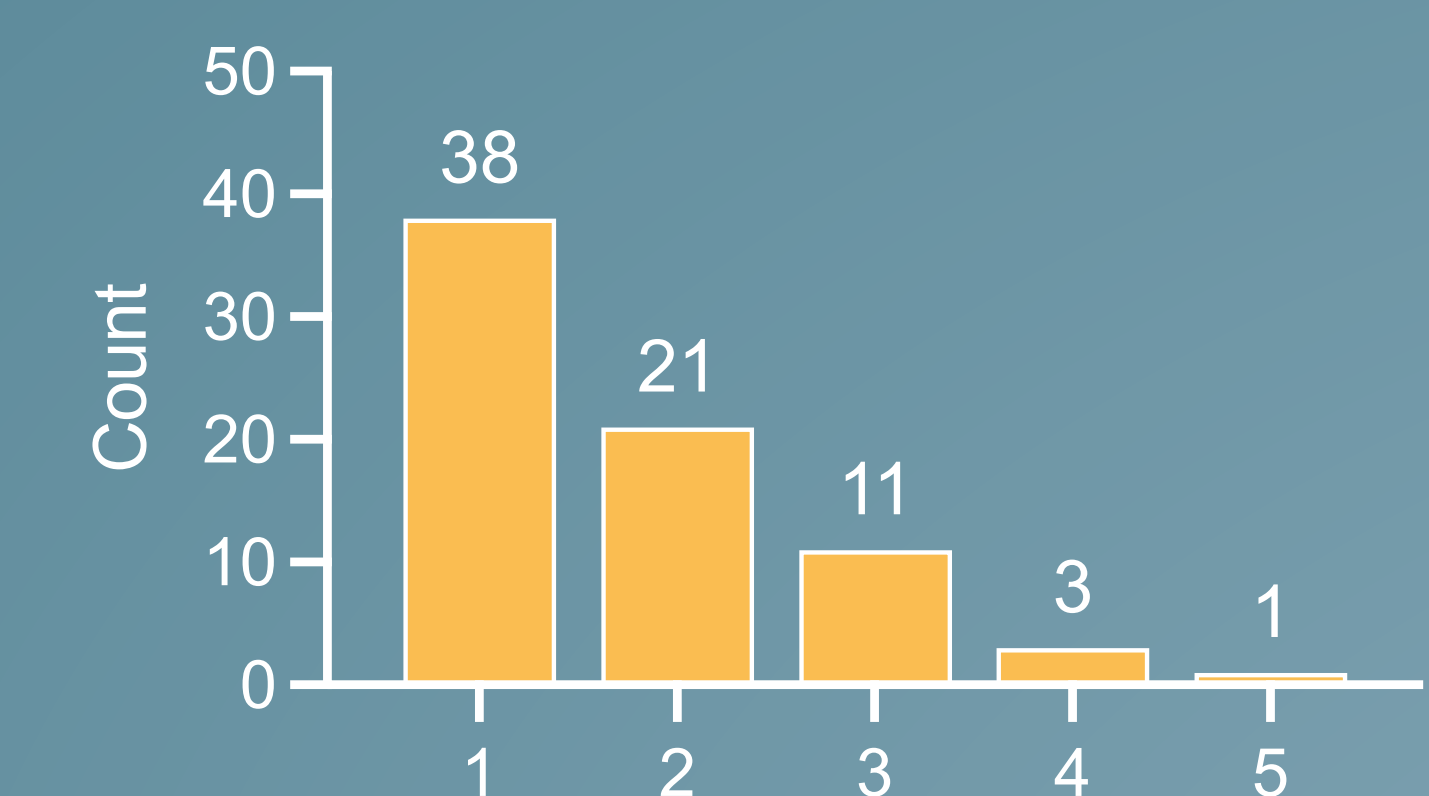
- 56 Graduate Student
- 12 Postdoc/research Assistant
- 7 Other Academic Personnel

Previous software used:



- BioRender
- Powerpoint/Keynote
- Adobe Illustrator
- R
- VISIO

Post Workshop Survey



Future Work



Officially launch Inkscape for STEM videos on Youtube channel.

Develop modules on multi-panel figures, flowcharts, and how to use Inkscape for Poster Design

Further establish as an online resource with connections from Inkscape software developers