DEVELOPING EFFECTIVE POSTER PRESENTATIONS

STUDENT RESEARCH CONFERENCE



ANU Academic Skills



The Australian National University acknowledges, celebrates and pays respect to the Ngunnawal and Ngambri people of the Canberra region and to all First Nations Australians on whose traditional lands we meet and work, and whose cultures are among the oldest continuing cultures in human history.

Learning outcomes

By the end of the session students will be able to:

01	Review and discuss the SRC poster presentation requirements
02	Analyse the features of effective poster
03	Appraise poster(s) using the SRC judging criteria
04	Develop their own poster



Let's chat

What's the purpose of your poster?



Image created using Microsoft Copilot. Original prompt "Create an image of a student with a poster presentation at a conference" refined by instruction "make the poster more prominent".



Poster purpose

To communicate in visual form, important information about your research and why it matters

Posters play an important role in:

- Disseminating your research at conferences
- Helping you network with other scholars
- Attracting interest and feedback on your research



SRC requirements

An academic poster is a unique type of visual communication tool that is used primarily in the academic and research fields. Differing from other types of posters, an academic poster is designed to present complex research methods and findings in a concise and visually appealing format. It often includes graphs, charts, and other visual aids to help convey the information effectively. The language used in an academic poster is typically formal and precise, reflecting the scholarly nature of the content. An academic poster is targeted at a specialised audience, usually peers or experts in the field. At SRC, the posters will be viewed by the judges, student peers, and other members of the ANU community. The success of an academic poster is measured by its ability to communicate clearly and effectively complex information.



Generally, people spend very little time looking at posters...

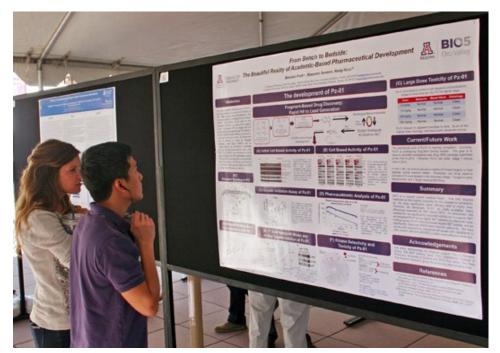


Image from: http://www.pharmacy.arizona.edu/stories/bulletin/cop-researchers-go-beyond-frontier



Let's chat



What makes a poster effective?

How can we encourage people to spend more time considering our work?



#1 tip for an effective poster

Your main point needs to be super clear - you need to "hook" the audience immediately

How?

- » Have a clear message
- Draw attention to the significance of your work





Other tips for an effective poster

» Balance text and graphics/tables/figures (50/50)

- » Use blank space effectively
- » Make sure it is easy to read from a distance

1.5 to 2 metres

» Don't use chunks of text – use bullet points and limit each to 2-3 lines

Remember to include name, university email address and reference list/bibliography



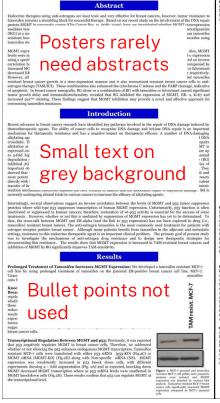


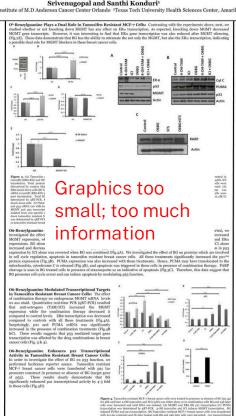
O⁶-Benzylguanine Inhibits Tamoxifen Resistant Breast Cancer Cell Growth and Resensitizes Breast Cancer Cells to Anti-Estrogen Therapy

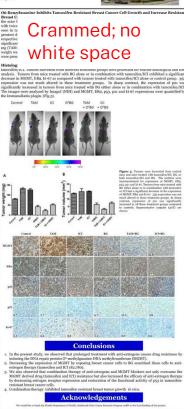
Joshua Smithi, George C Bobustuci, Rafael Madero-Visbali, Jimmie Coloni, Beth Islevi, Jonathan Tickui, Kalkunte S. Srivenugopal and Santhi Konduri¹

*Cancer Research Institute of M.D Anderson Cancer Center Orlando *Texas Tech University Health Sciences Center, Amarillo, TX









Is this a noster?

What is the main message?

Why should the audience care?

Why is this research significant?

All other details are irrelevant if I'm not hooked!

Image from: http://betterposters.blogspot.com.au/2011/04/critique-breast-cancer-inhibition.html



SRC Poster Presentation Judging Criteria

Excellent

Criteria:

- 1. Clearly states the research question, problem or issue
- Provides relevant context needed to understand research importance
- 3. Makes good use of visuals (images, graphs etc.)
- 4. Indicates what was found and its significance
- 5. Is legible, flows well and is not overcrowded



INTERNET INEQUALITY: THE IMPACT OF HOME INTERNET ACCESS ON SCHOOL SUCCESS

- Department of Economics - The University of Texas at Austin

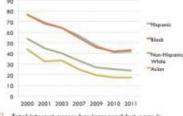


ABSTRACT

In addition to a wide education gap between Hispanic and non-Hispanic White students, there also exists a persistent gap in home internet access between these groups. In my research, I identify a link between these two trends by analyzing data from the Current Population Survey, My research show that lower rates of home internet access contributes to educational gaps between ethnic groups and that home internet access relates to higher school success.

BACKGROUND

Percent of Households Lacking Internet Use, by Race and Ethnicity



- Total internet access has increased but gaps in access persist between race/ethnic groups Factors affecting access include income, ethnicity, age, and level of education
- Previous studies suggest both positive and negative effects of home computer access on education



METHODOLOGY

DATASET

*Used cross-sectional data on students ages 13-17 from the 2009, 2010, and 2012 Current Population Surveys

ESTIMATOR

Generated a variable measuring grade retention to estimate school success for each student

Employed on Ordinary Least Squares regression model to Identify correlations between internet access and school success

RESULTS



- Hispanic students are significantly more likely to be below grade level than their White peers
- Differences in school success are mostly attributed Some differences can be explained by differences
- in access to home internet Studnets who lack intenet access, regardless of
 - race or income, have lower success in school



CONCLUSION

Home internet access has a significant effect on school performance, and it explains some difference in educational outcomes between first generation Hispanics and Whites. While increased home internet access may decrease grade retention and dropout rates, it is unlikely to affect gaps in school success between different racial and ethnic aroups

and the UT Department of Economics for supporting this research project

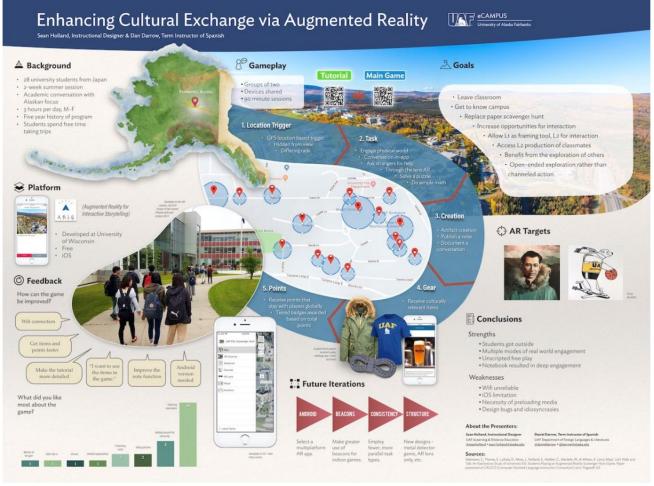
What about this?

- What works?

- What doesn't?

Image from: https://au.pinterest.com/pin/290411875951607565





What about this?

- What works?

- What doesn't?

Image from: https://sean.community.uaf.edu/jalt-2018-poster-presentation-enhancing-cultural-exchange-via-augmented-reality/



Where to start?

- 1. Read the instructions to work out key requirements (e.g. poster size, word limit, formatting etc.)
- 2. Work out your key message/finding and significance
- 3. Think about how you can communicate this message visually
- 4. Plan your poster layout in advance
- 5. Implement your ideas
 - » software?
 - » design your own? a template?



Design ideas

Use bold (not underlining), text size and bullets

Image from: https://www.canva.com/temp lates/EAFf2ORMpis-fastchanges-on-the-earth-ssurface-activity-researchposter-in-violet-grey-orangehand-drawn-style/



Generally, the width of the poster

Limit use of colour - 2 or 3 max

- Black on white or white on black are easiest to
- are easiest to read
- Avoid red and green text

Columns assist readability



Is this graphic effective?

Why? Why not?

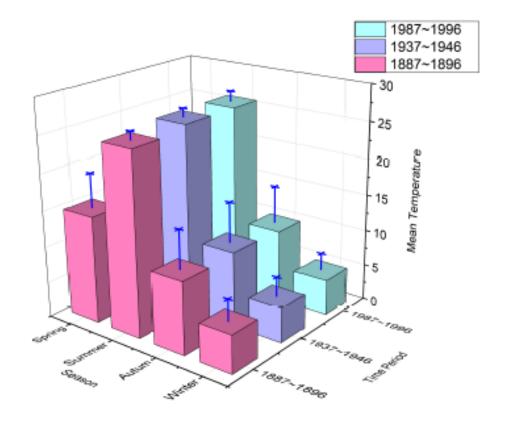


Image from: https://www.originlab.com/doc/en/Origin-Help/3DBar-Graph-with-ErrBar



Is this graphic effective?

Why? Why not?

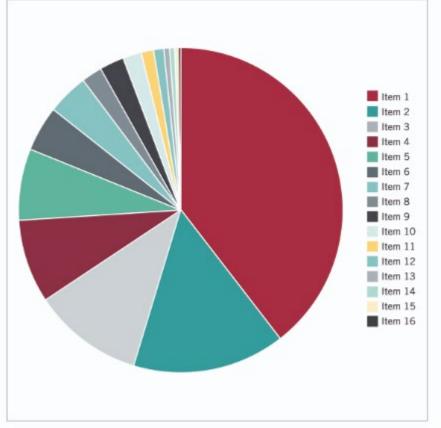


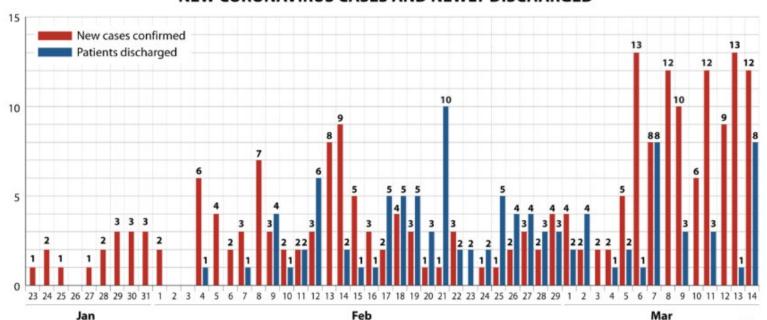
Image from: https://online.hbs.edu/blog/post/bad-data-visualization



Is this graphic effective?

COVID-19 IN SINGAPORE NEW CORONAVIRUS CASES AND NEWLY DISCHARGED

Why? Why not?



As of Mar 14 Infographic by Rafa Estrada Source: Ministry of Health

Image from: https://analythical.com/blog/covid19-in-charts





Is this graphic effective?

Why? Why not?

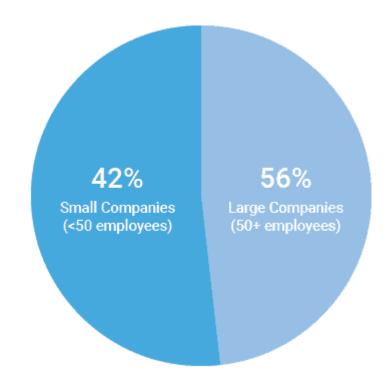


Image from: https://www.oldstreetsolutions.com/good-and-bad-data-visualization



Issues - Grouped by Assignee

Is this graphic effective?

Why? Why not?

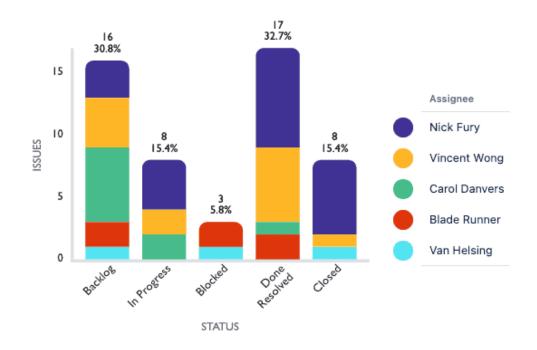


Image from: https://www.oldstreetsolutions.com/good-and-bad-data-visualization



Producing your own graphics

- PowerPoint, Excel, Microsoft Power BI
- GenAl
 - » Microsoft Copilot

N.B.: Any use of GenAI to create images, graphs, charts or other visuals must be acknowledged.

e.g. Image created using Microsoft Copilot. Original prompt "Create an image of a student with a poster presentation at a conference" refined by instruction "make the poster more prominent".

e.g. Chart created using Microsoft Copilot.



Edit for effectiveness and accuracy

- Check for:
 - » clarity of message
 - » unnecessary text
 - » grammatical and spelling errors
 - » layout headings, spacing, margins
- Print off your poster in A3
 - » Can you read from 2 metres?



Finally

Preparing to present

- Presentation skills next week
- 3-minute thesis session



OVER TO YOU



THANK YOU

Contact Us

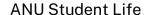
ANU Library Academic Skills

T 6125 2972

E academicskills@anu.edu.au

W https://anu.edu.au/students/academic-skills

W https://anulib.anu.edu.au



E student.life@anu.edu.au

W www.anu.edu.au/students/student-life/student-communities

