What makes a great poster?

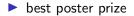
Daniel Farewell

RSS Conference Co-Chair 2018; IBS CNC Conference Chair 2017 (but have only ever made one poster myself)

12 August 2021

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best poster prize

- one great conversation
- several good conversations

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best poster prize

- one great conversation
- several good conversations
- getting help with a problem
- getting people to read your paper

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- best poster prize
- one great conversation
- several good conversations
- getting help with a problem
- getting people to read your paper
-easy to make? easy to print? easy to transport?

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success = best poster prize?

visuals trump all else

- less is much more
- self-explanatory content (because judging is often done outside poster sessions)

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success = best poster prize?

Haiti: Cholera figures (Jan-Feb 2015)

The total number of cholera cases decreased significantly in 2014. However, delayed rains, compounded by deficiencies in the Port-au-Prince water-supply network, including illegal tapping and a deficient alert and coordination system, resulted in a drastic increase in the number of cases and deaths in the last quarter of the year. This worrying trend continues in 2015 and highlights the need to increase cholera contingency measures ahead of the upcoming rainy season (April - May).



CHOLERA CASES

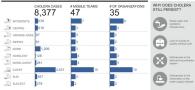


WHERE (JAN-FEB 2015)

FUNDING



RESPONSE (JAN-FEB 2015)



Creation date: 7 Apr 2015 Sources: Accurvatine, MSPP, OPSIONS, UNICEF Feedback: ochs hall/Mggmail.com www.unochs.org www.reletveti.int

sucess = one great conversation?

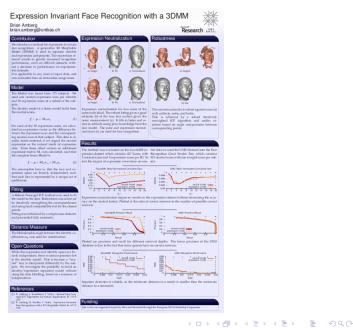
(some) detail needed

 links to related work (especially if others in the field may be at the meeting!)

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but what's the big idea?

sucess = one great conversation?

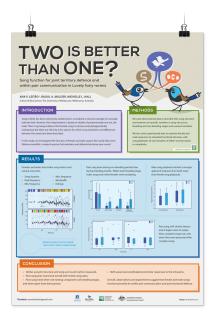


draw people in with wide applicability

- e.g. like sports? read this poster!
- be controversial or surprising (e.g. do you believe in the placebo effect?)

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success = several good conversations?



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success = getting help with a problem?

ask questions

- e.g. can you complete this proof that Bayes is uniformly optimal?
- e.g. I can't explain the correlation between sandy beaches and sandwich consumption — can you?

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success = getting help with a problem?



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success = getting people to read your paper?

tease, but don't reveal too much!

- simplify (#betterposter)
- point to the paper for the details people need

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success = getting people to read your paper?

Title

Authors

Intro

•		
•		
H1		
H2		

Methods

1.	
2.	
3.	
4.	

Results





Discussion

More research is needed, but...

•	
•	
•	



Main finding goes here, translated into **plain english**. **Emphasize** the important words.



Take a picture to download the full paper

Extra Tables & Figures



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No such thing* as missing data, authors claim

Marked point processes offer clearer perspective

Most treatments of dropout within longitudinal studies rely on a missing data framework: usually, that of Rubin (1976). This implicitly presumes, however, that the missing data actually exist, and important notions such as 'ignorability' and 'missing at random' are based on their assumed properties.

But how are we to determine whether such assumptions are reasonable? Difficulties arise because (for instance)



it is not clear what exactly is meant by the customer satisfaction score that would have been recorded, had this No missing data. individual not diad, but instead davided to attend their scheduled dental checkup'.

So can we define a condition equivalent to ignorability but without appealing to missing data? We think so, with careful consideration of the causal relationship between the points and marks of a

 $y = (y_1, y_2, y_3, ...)$ and that's basically it. Once observations stop, it helps to think of the 'observation times' as infinite, with associated irrelevant marks. But there's no 'underlying longitudinal process'.

 $t = (t_1, t_2, t_3, \ldots)$

Instead, formulate a causal model relating the points to the marks, and use it to write down the joint likelihood:

p(t, y)

Ignorability then boils down to a simple question: are there parts of this joint likelihood that can be ignored?



depend on the values of previous marks. For instance, findings on medical checkups might be used to schedule subsequent checkup dates, Let's also assume that checkup findings are correlated, modelled using a random effect. Here's (part of) a causal DAG:



Lise this to write out the joint likelihood of the points and the marks, and you'll get something like the expression on the right. Assuming no parameters in common, that first factor can be completely ignored, leaving just the familiar mixed model likelihood.

