

Six points for giving talks

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MSc Presentation ①

Point 1 The most consuming thought throughout preparation and delivery

AUDIENCE

Fact: Different audiences understand different dialects.

Same content, same meaning, different dialects

Point 2 The thing that most affects the quality of your talk

PREPARATION

$\left(\frac{\text{length of talk}}{60}\right) \cdot (6 \text{ rehearsals}) + \left(\frac{\# \text{ of slides used}}{2}\right) \cdot \left(\frac{1}{2}\right)$

$+ \left(\frac{\text{importance of talk from 1 to 10}}{3}\right) \cdot \frac{3}{2} = \text{preparation time in hours}$

Example 20 minute talk, importance 8, with 10 slides

$$\frac{1}{3} \cdot 6 + 10 \cdot \frac{1}{2} + 8 \cdot \frac{3}{2} = 2 + 5 + 12 = 19 \text{ hours preparation time.}$$

Fact: This formula was derived from 30 years of data keeping.

Point 3: Writing a talk!

Most of the effort is

CUTTING MATERIAL

to create focus, clarity and direction
to the punch line.

Point 4: Most important skill for a career

TIME MANAGEMENT.

Fact: Noone listens to anything you say
after your official time slot is over.

Point 5: Know how to drive your

PRESENTATION TOOLS

Computer, slides, projectors, boards,
chalk, Pictures, equations, formatting.

Fact: Chalk doesn't squeak if the angle
to the board is $\leq \frac{\pi}{3}$.

Point 6 Why are talks important to a researcher?

Success is determined by...

"Whoever has the most toys wins".

In math this is

"Whoever knows the most math wins."

Fact: The way that the community decides how much math you know is by whether you can

EXPLAIN IT.

Sam's list of additional questions!

Presenting is a common part of an academic career, but can often be the most daunting!

This talk will focus on developing confidence as a student presenter,

the difference on presenting at seminars and conferences

and finding the right conferences to attend, along with potential funding opportunities.

1. Final MSc presentation

"Talk machine".

- Write the main point
 For my thesis I learned that...
- Add necessary definitions
 to make sense of the main point.
- Add necessary context
 Why do we care about the main point.

CUT/REFINE to length and audience

Fundamental Rule: Only one main point allowed.

2. For giving talks in the future

... For my paper arXiv:2009.02812 I learned...

3. Adapting to a seminar/conference talk.

	MSc Pres.	Seminar talk	Conference presentation
What are the differences?	20min	60min	10min
How to address these differences?	MSc students	Research group	People who come to your special session
	Next to a piano	Chalktalk	Meeting room in a civic centre

CUT/REFINE to length and audience

4. Developing confidence

Point 2. The thing that most affects the quality of your talk.

PREPARATION

PRACTICE REPETITION.

5. Finding the right conference

- Web, mailing lists, go to lunch, pub, Facebook
- Make a list of 50 exciting conference options.
- Rank these by how much you'd like to be there.
- Apply to the top 5 on your list.

6. Finding funding opportunities: Fundraising

Fact of life: Any significant
business/initiative/project

SUPPORTED BY SEVERAL SOURCES.

several sources cobbled together to make it happen.

Note 1: Usually people are trying to give
away money.

Note 2: Investors like to invest where
others have invested.

Note 3: Investors like to be "first"
Make good things happen
And get credit for it.

Note 4: Investors like to continue funding
successful projects.