Webinar The Perfect Dissertation Defense: Tips and Tricks



Prof. Dr. Steve Burian





Dr. Maria Khalid

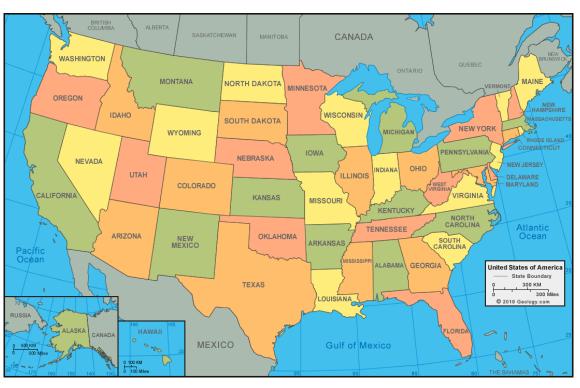
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IRAN

Arabian Sea

AFGHANISTAN

BALOCHISTAN



CHINA

Gilgit® GILGIT-BALTISTAN

INDIA

Pakistan

★ National Capital

■ Administrative Capital

Muzaffarabad

Islamabad

PUNJAB

PAKISTAN

SINDH











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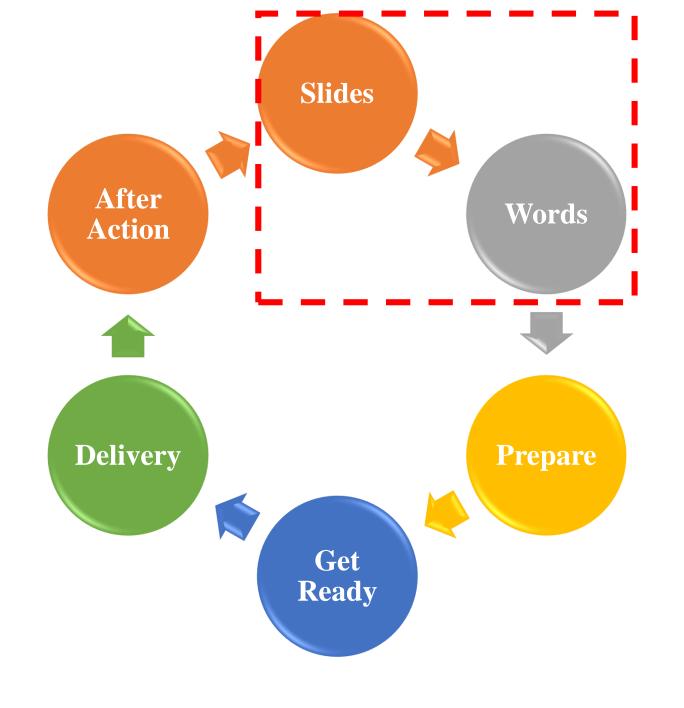


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What do you think you must do to deliver a remarkable presentation?

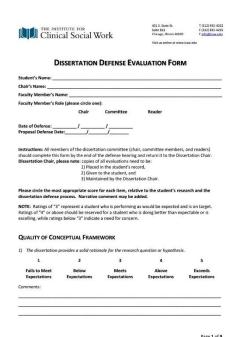






Know the Process of Department and Institute

- Department culture
- Discuss with your advisor
- What are the norms?





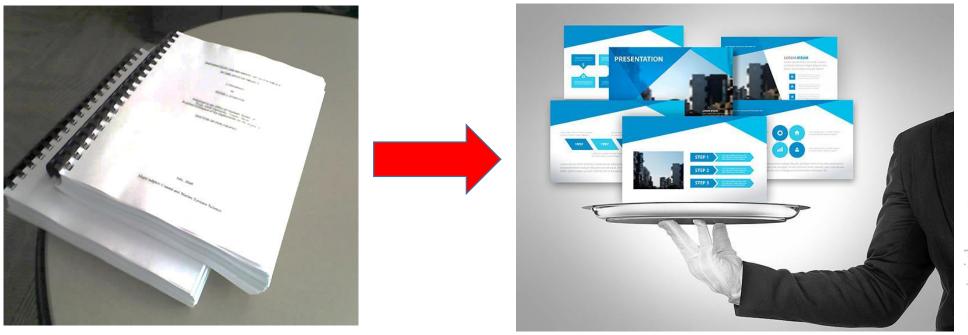


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Know Your Jury /Committee Members

- Expertise and interest
- What questions have they asked previously to you or others?
- What concerns have they expressed about your dissertation?

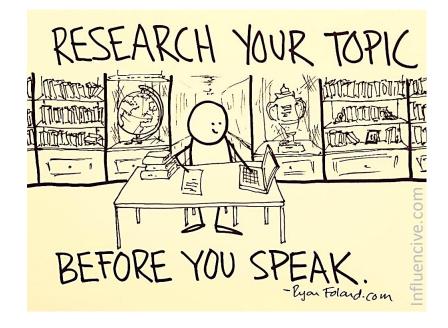


Know Your Topic

Challenge/ Opportunity

Big Idea

Key Findings



Create Presentation Outline

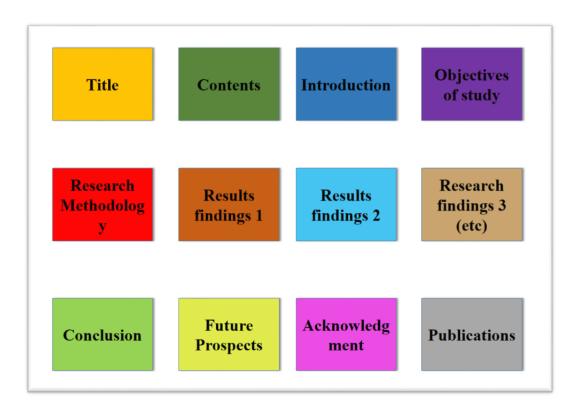
- Confirm expected length
- "Chunk" presentation
- Use guide of ONE slide per minute





Storyboarding

- Create structure of presentation flow
- Notes in slides to guide content, way to present, key takeaways of slide, etc.
- Tools: PPT, MS word, etc.



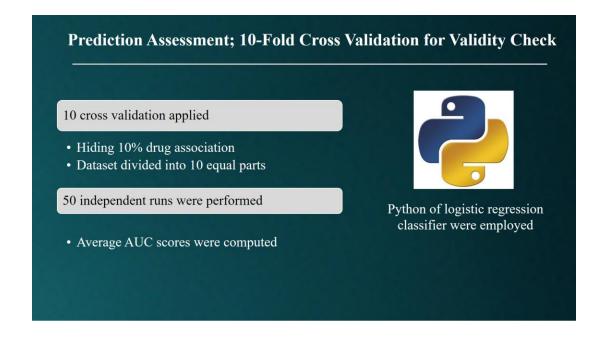
Preparation of Slides

Which slide is better A or B?

Prediction Assessment 10-Fold Cross Validation for validity check

• 10-fold cross validation was applied by hiding 10% of the drugs associations in each iteration. The dataset was divided randomly into 10 parts with each part turning into a test set for once. We performed 50 independent runs in each of which a different random partition of the training set to 10 parts were used. We computed average AUC scores. The feature selection was applied to the dataset but the difference between the best feature set according to each feature selection method and using all the features was negligible hence the whole feature set was retained. We have employed Python implementation of logistic regression classifier for the prediction task.

21





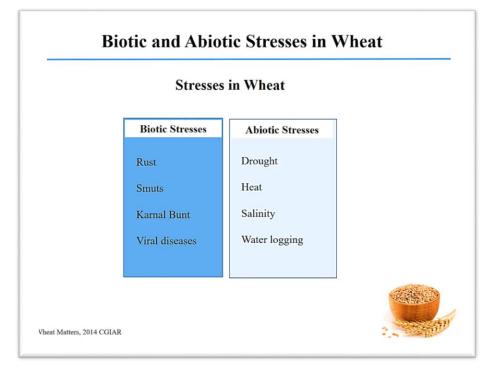


Which slide is better A or B?

BIOTIC AND ABIOTIC STRESSES IN WHEAT

- Biotic stress are rust, smuts such as stem rust, yellow rust, leaf rusts, karnal bunt etc.
- · Abiotic stress such as drought, heat, salinity, water logging
- These stresses can affect the physiological, biochemical, morphological and molecular factors

7







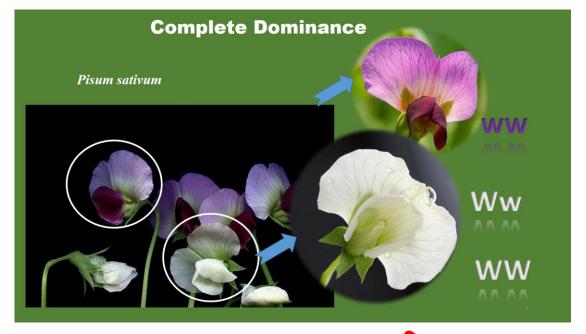
Which slide is better A or B?

Complete Dominance

Complete dominance occurs when one allele – or "version" – of a gene completely masks another. The trait that is expressed is described as being "**dominant**" over the trait that is not expressed. Most organisms are diploid – that is, they get two copies of each gene, one from each of their parents.

8







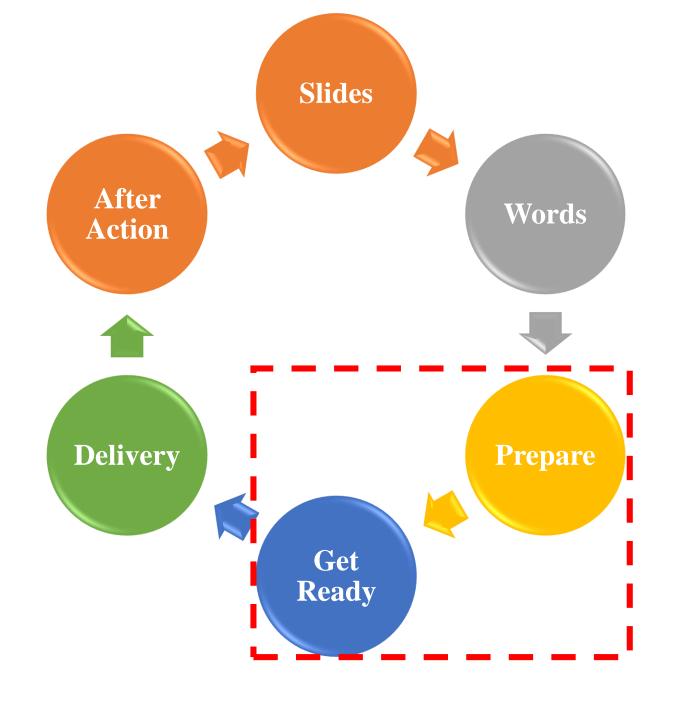


Preparation of Slides

- Slides should be >75% visual (graphics, pictures, etc.)
- If words necessary, use bullets
- Irreducible minimum.
- Format: clear, readable, digestible, attractive, creative
- Visuals should have meaning connected to info
- Slides are free
- Write notes in your notes section
- Provide extra slides at the end

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How long ahead of defense date should you have presentation finalized and ready?



Preparation for your Final Defense



Get ready one month before your final defense



Give departmental and pre- defense



Take suggestion from mentors and jury members

Countdown to Presentation



T-30 days

First Draft

Complete slides and notes



T-20 days

Watch Others

Internet Local seminars Watch speakers and

adapt best practices



T-10 days

Polish

Make graphic designs
Replace words with
visuals
Incorporate animations



Self-Review

Let sit for 5 days First practice at desk Revise slides and notes



T-25 days

Peer Review

Practice to live audience 2x

Revise slides and notes Advisor and others review

slides and comment

T-15 days



Live audience
Practice to mirror



T-5 days



Preparation for Oral Presentation



Prepare answer to your questions you anticipate.



Avoid AAAAA sound.



Practice answering them loud.



Voice should be clear while presenting.

Get Ready Its time for Defense



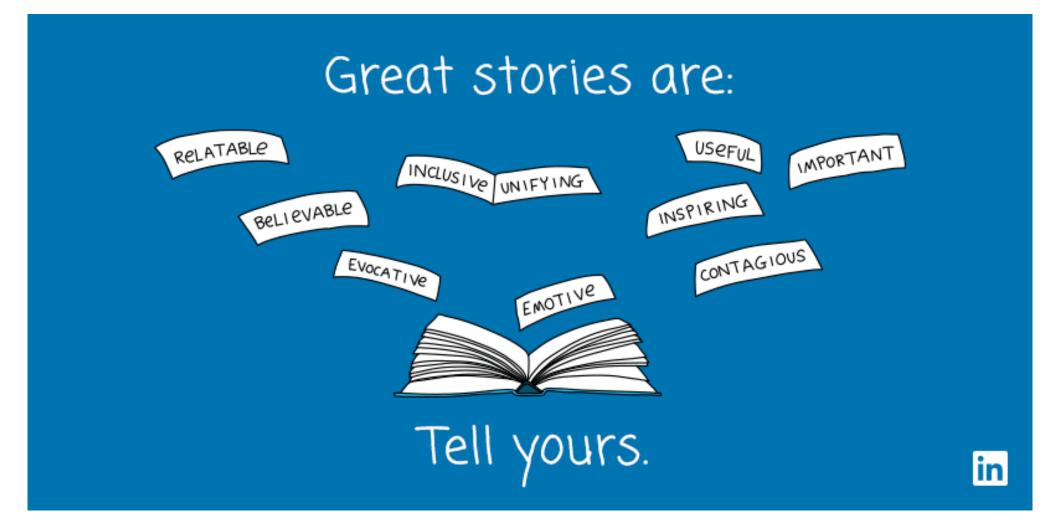


What are the best practices to engage your audience?

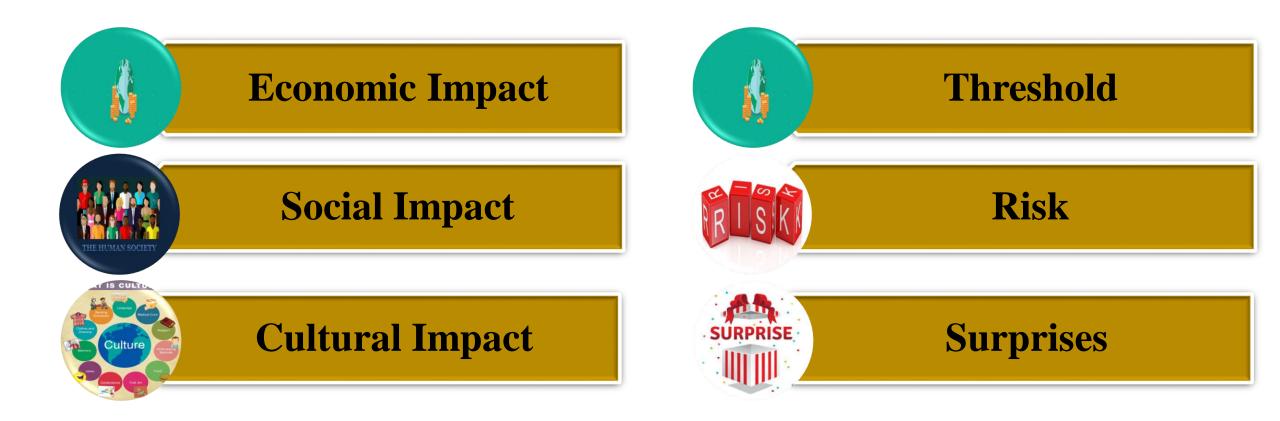


Use Stories





Relate the Impact



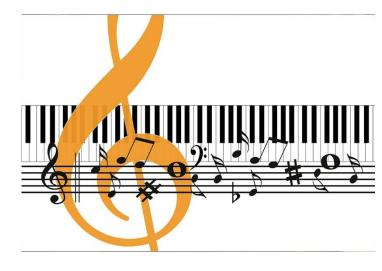
Communicate Effectively - Verbally



Loud & Project



Articulation



Vary volume, speed, intonation

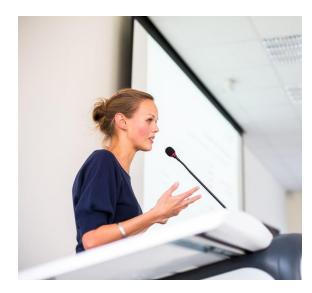
Communicate Effectively - Nonverbally



Be Confident



Smile and Raise Eyebrows

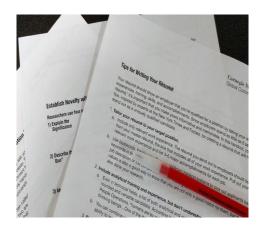


Eye Contact & Genuine Gestures

Expect the Unexpected



Be Prepared for technical difficulties.



Considered handouts if you are presenting graphically.



Keep track of time.

You should feel good if committee members



Talk to each other.



Disagree or even challenge your ideas.

Listen!

- Committee members will preface their questions with their own theories or ideas.
- Sometimes they formulation the questions as they ponder.



When you don't know the answer?

- You asked me (repeat the question), and I am not sure but I think?
- If I knew X, I would say Y.
- I don't know, but that question has interesting implications, for example if I knew that I could.....



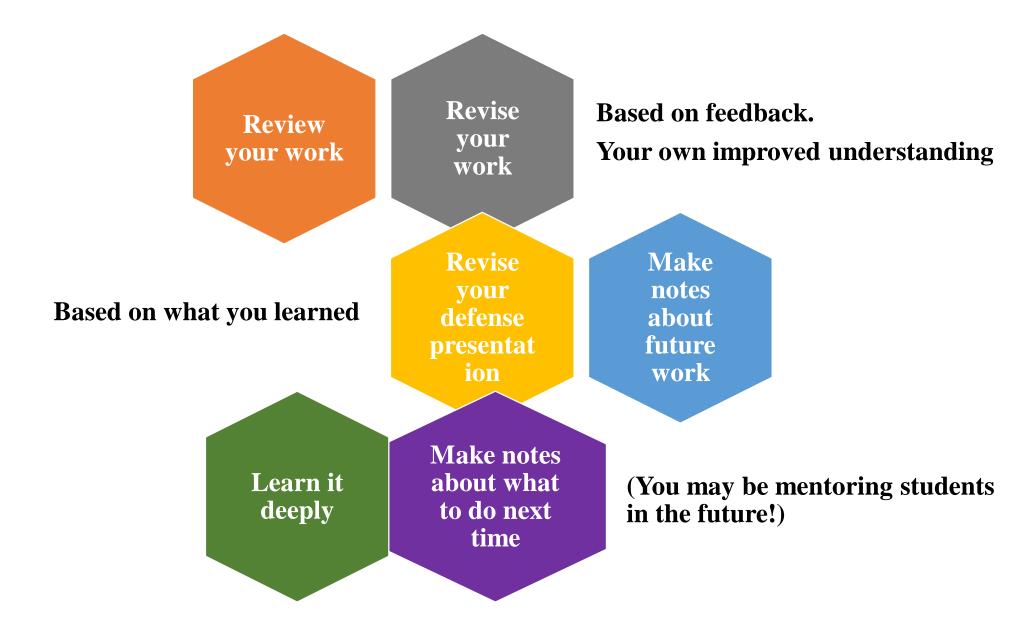
When you don't know the answer?

- I just need a minute to gather my thoughts
- Did you ask me (repeat the question)?





REFLECT, REVISE, AND LEARN DEEPLY



Slides should be

A. Mostly text so audience can read it

B. Mostly visual



An essential step to deliver a great presentation

A. Create presentation the night before

B. Practice





