Lecture 7:

Modern oral presentations

Course 501

Writing and Communication Skills

AIMS

- Understand the purpose of a scientific presentation.
- Acquire skills pertaining to the preparing a scientific talk.
- Prepare two scientific talk one for your review article and one for your research article.
- Prepare material for 10-12 minutes talks.

Academic communication

A review

Research articles
Review papers
Book chapters
Books
Encyclopedias
Scientific talks
Scientific poster
Documentary
Videos
Social media
Blogs
Forums

Means

Inform
Report
Document
Convince
Teach
Debate

Aims

Public
General scientists
Specialized experts
Educators
Students
Policy makers

Target

Oral communication

A review

Poetry

Sermons

Speeches

Forums

Debates

Lectures

Poetry

Sermons

Speeches

Forums

Debates

Lectures

Poetry
Sermons
Speeches
Forums
Debates
Lectures

Poetry
Sermons
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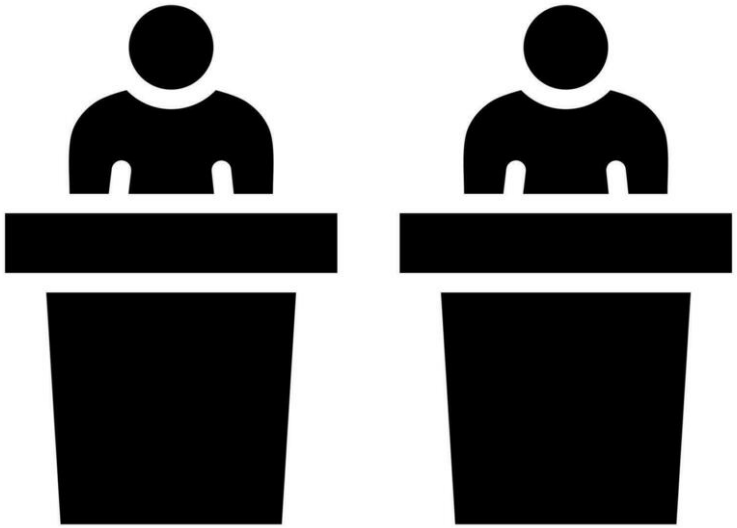
Lectures



Poetry
Sermons
Speeches
Forums
Debates
Lectures

Poetry
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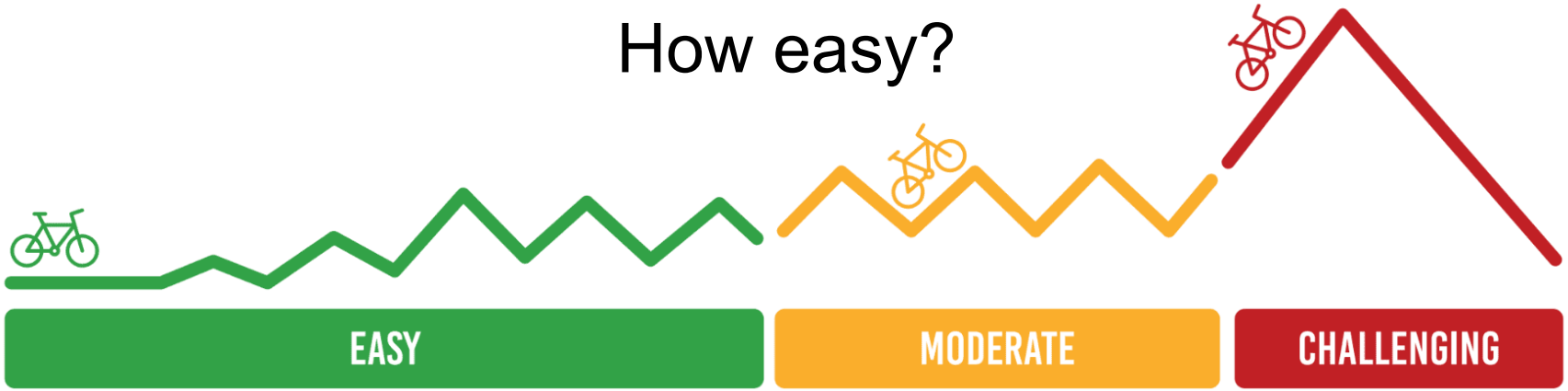
How hard?

How easy?



Audience presence
No peer-review

Oratory skills
Good memory
Clear voice
Can‘t be cited
Short-lived

How modern academic talks differ from traditional oral communication?

Modern academic talks rely on:

Written aid material

Visual aid material

Oratory skills

What is the percentage of written and visual aid that is needed in a modern scientific talk?

Modern scientific talks

Oral
60%

Visual
20-35%

Written
5-20%

Talk base

Talk aid

How to prepare a good scientific talk?

Modern scientific talks

Oral

Concept
Understanding
Training

Visual

Internet
Book material
Paper material
Make it yourself

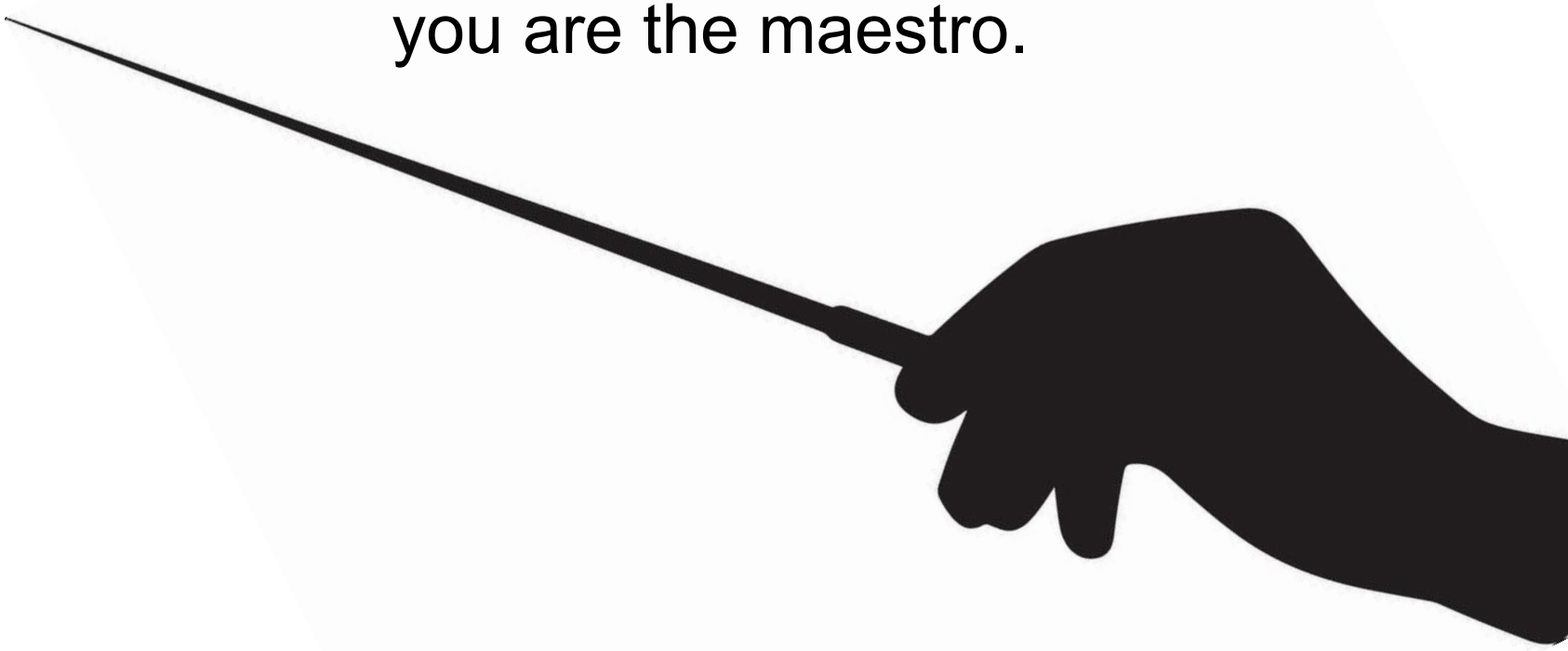
Written

Book material
Paper material
Your summaries

1. Prepare your first talk
2. Learn by doing
3. Watch the talks of senior scientists

Remember

Your scientific talk is a symphony of your work and you are the maestro.



You are performing to your peers in celebration of the magnificence of your works.

General recommendations

Scientific content

Keep in mind

Use bullet points of concise short sentences rather than long and complicated paragraphs.

Slides with written material can have at most 5 bullet points.

Each bullet points can have 5-7 words.

No need for complete sentences.

Design software

Microsoft **Powerpoint** due to its wide usage at academic institutions by faculty and students.

Slide size

Use wide-screen default slide size.

You will have more room for your material.

Font type

Use a basic font that can be easily read (ex. **Arial**).

Arial

Calibri

Times New Roman

Franklin Gothic

Font color

You need a font color that provides the greatest color contrast with the slide’s background color.

Use **black** font color for most of the written content of your slides.

Use other colors for certain words/sentences to emphasize importance or a specific relationship to graphical content.

Font size

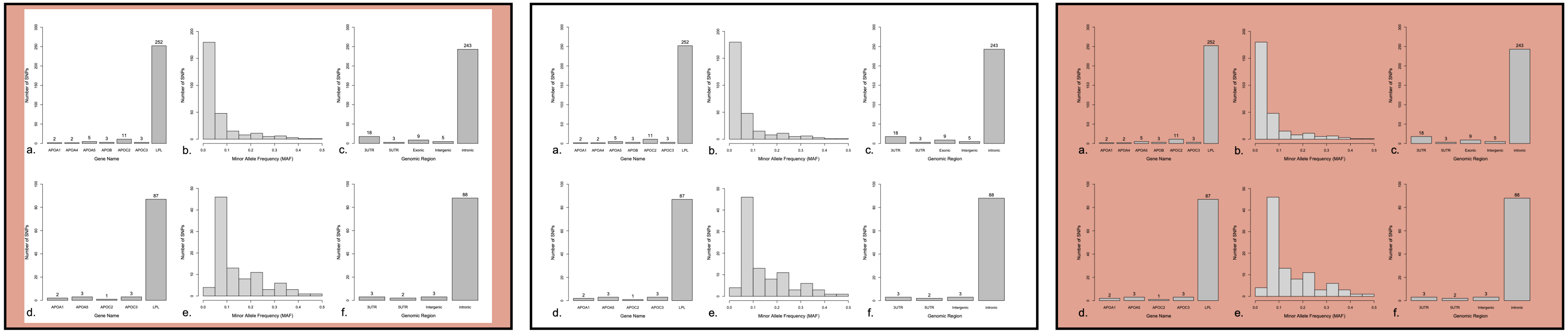
All written material should be typed with font size at least 28-32pt.

Slide background

Avoid having a colored background or a background photo.

Consider leaving the background white.

This will concentrate the focus of the eye on the material of the slide (both writing and figures) rather than the background.



This will also provide you with a lot of freedom in the design process.

Title

The title is the

first most important

component of your talk.

Use a short catchy title in a large font size (>48pts).

Your scientific talk is not a scientific paper to be titled with details and does not need to be easily searched and cited.

Figures

The figures are the

second most important

part of your talk.

Present your work in clear figures and diagrams that are both attractive to the eye and self-explaining to the mind. Your figures may have different forms (plots, diagrams, pictures etc.).

Generate the plots and diagrams with a transparent or white background.

This will ensure the perfect blend of your figures with the overall background of your slides.

Tables

Avoid inserting tables in your slides.

Table 3.1. Marker specific summary statistics of camel STR panel for the global and Mezayen datasets.

Marker	Accession No.	Repeat Motifs	Global Dataset					Mezayen Dataset				
			Geno[3]. Rate	Geno[4]. No.	Allele No.	H_o[5]	PIC[6]	Geno. Rate	Geno. No.	Allele No.	H_o	PIC
LCA99[1]			0.99	135	36	0.89	0.88	1	66	18	0.90	0.86
CVRL01[2]	AF217601	$(GT)_{27}$, $(GC)_6$, $i(GT)_9$	0.83	102	27	0.81	0.79	1	47	23	0.70	0.70
YWLL08[2]	AF217608	$(CA)_9$, $(GA)_5$	1.00	99	22	0.87	0.86	1	58	17	0.85	0.83
LGU75	AF237494	$(GT)_{20}$	0.83	79	21	0.78	0.75	1	54	16	0.83	0.81
CMS50	AF329149	$(GT)_{27}$	0.83	58	16	0.87	0.85	1	38	11	0.83	0.81
CMS121	AF329159	$(TG)_{24}$	0.83	49	14	0.80	0.77	1	30	9	0.76	0.72
LCA33	AF060103	$(CA)_8$	0.83	43	18	0.74	0.70	1	20	12	0.64	0.57
CMS9	AF329160	$(GT)_{24}$	0.83	37	15	0.75	0.71	1	21	8	0.77	0.73
CVRL05	AF217605	$i(GT)_{25}$	0.83	35	17	0.71	0.66	1	25	11	0.71	0.67
CMS13	AF329158	$(AC)_{27}$	0.83	29	14	0.68	0.63	1	20	8	0.71	0.67
LCA66	AF091125	$(CA)_{13}$	1	29	11	0.80	0.77	1	16	7	0.74	0.69
YWLL44	GU723276	$(TG)_{18}$	1	24	9	0.73	0.69	1	12	5	0.63	0.58
CMS16	AF329157	$(TG)_{34}$	0.83	23	12	0.60	0.53	1	16	9	0.60	0.54
LGU56	AF237492	$(GT)_{16}$	0.83	20	13	0.35	0.32	1	11	6	0.45	0.41
CVRL04	AF217604	$i(GT)_9$	0.83	13	8	0.63	0.56	1	6	3	0.63	0.55
LGU76	AF237495	$(GT)_{11}$	0.83	11	7	0.65	0.58	1	8	5	0.67	0.60
VOLP32	AF305234	$(TG)_{20}$	0.99	10	7	0.47	0.44	1	4	3	0.41	0.32
YWLL29[1]			1	9	5	0.43	0.37	1	3	2	0.42	0.33
LCA8	AF060096	$(CA)_{14}$	1	3	2	0.42	0.33	1	3	2	0.50	0.37

[1] Markers with unknown repeating nature. [2] Complex STR markers with more than one block of repeats. [3] Genotype rate. [4] Genotype number. [5] Observed heterozygosity. [6] Polymorphism Information Content.

Tables are generally detailed summary of your work or your scientific findings.

The location of such details is not your talk but your scientific papers.

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Tables generally occupy a large area of the slide (if displayed with a reasonable font size), which can alternatively be used for more important graphical or written content.

References

Your poster is not a scientific paper.

Do you need references?

Disclaimer

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