

Modern Computer Vision Methods
WS 2024/25 [IN2107]



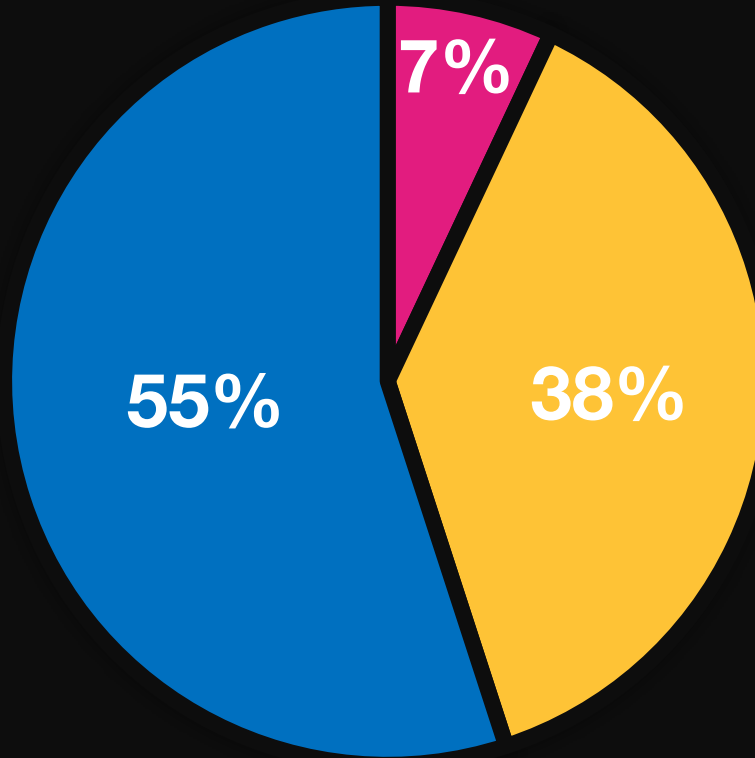
Hands-on Presentation Techniques

Dr. Benjamin Busam, Changxuan Li, Christian Kapeller, Diego Biagini,
Felix Tristram, Mert Karaoglu, Mert Kiray, Sen Wang

Charades!



Elements of Communication



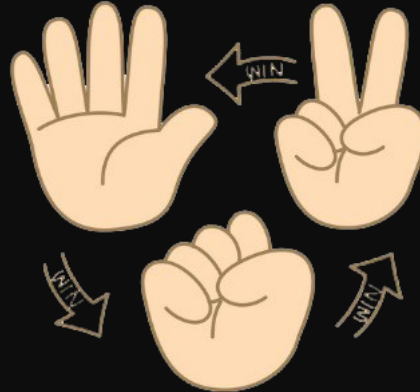
- **spoken words**
- **voice, tone**
- **body language**

1. Body Language

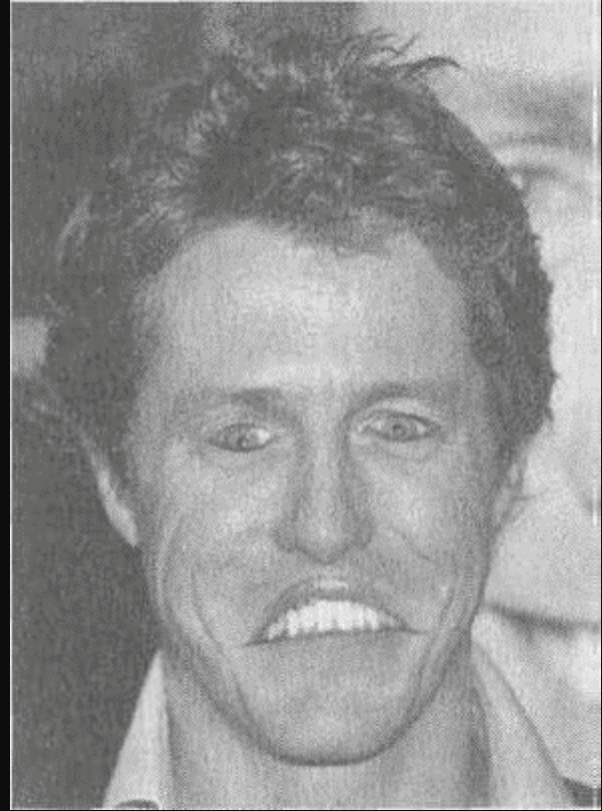


Body Language Variations

- Show Confidence
- Feel Comfortable
- Eye Contact
- Show Engagement
- Use Physical Space
- Vary Gestures
- Draw Attention
- Sell Your Story



Facial Expressions



Hand Gestures

Compliance



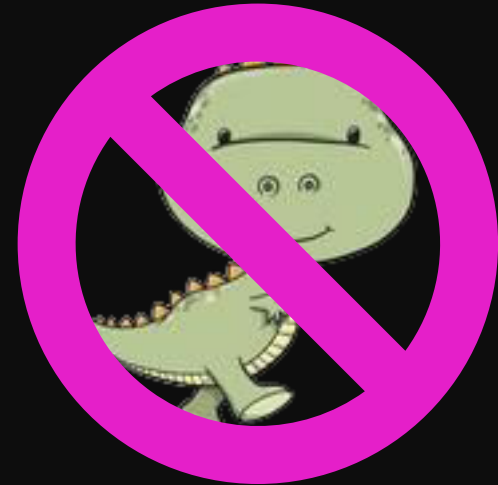
➤ Palms up 84 %



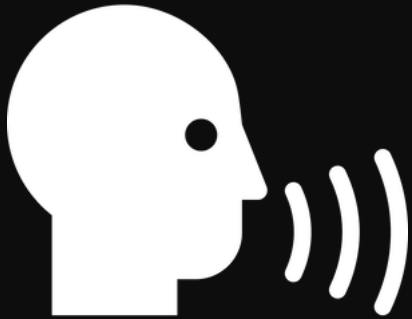
➤ Palms down 52 %



➤ Pointing 28 %



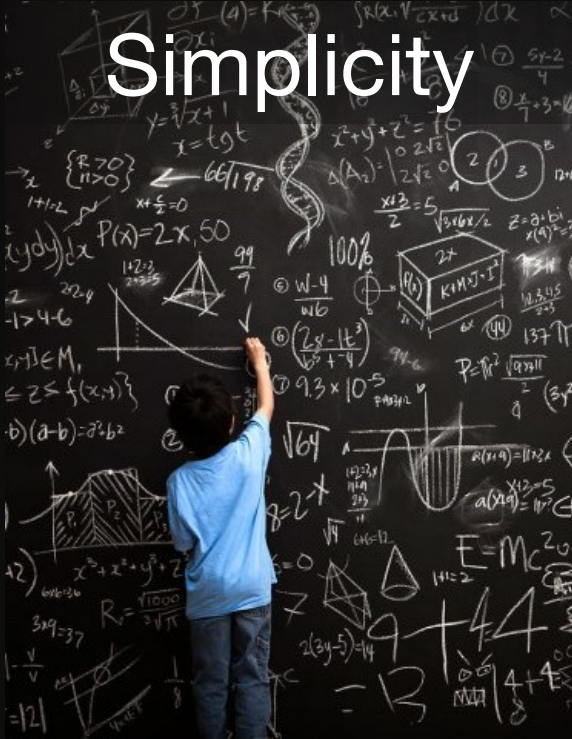
2. Verbal Elements & Voice



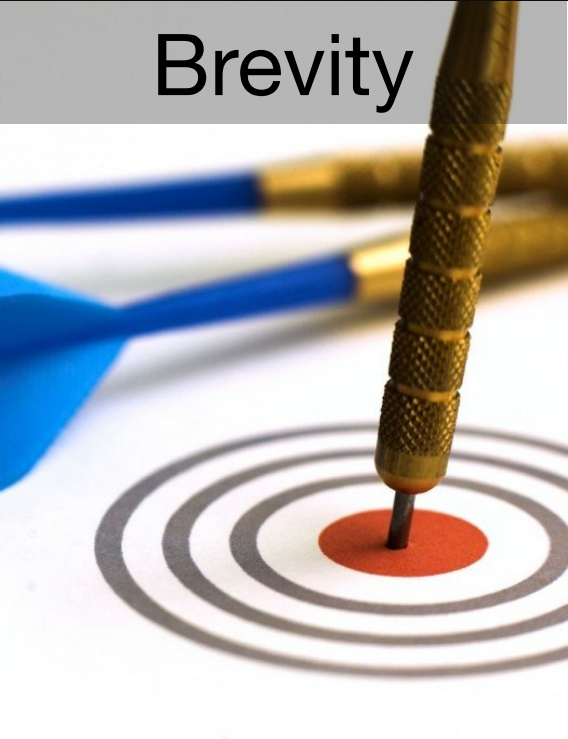
Voice Tonality

I didn't tell her you were stupid.

Verbal Complexity



Simplicity



Brevity

Confidence



Simplicity

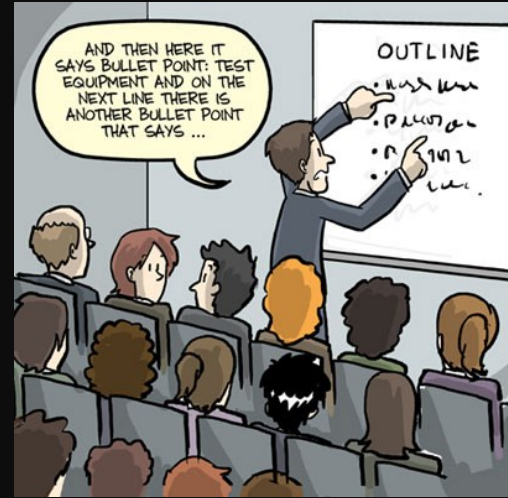
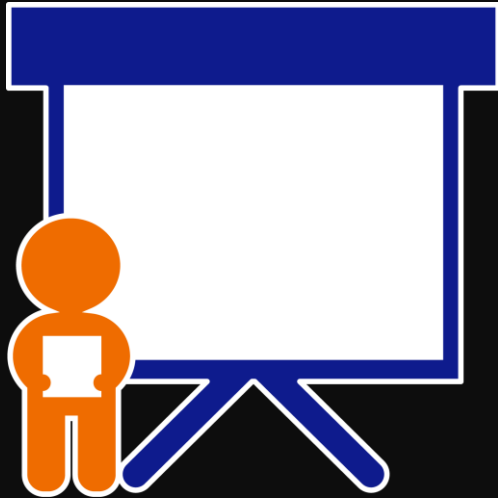


Friends. Season 10. Episode 05.

Simplicity



3. Visual Support



Make it Clear - Structure

OUTLINE FIRST!!

- Controls number of slides & provides balance
 - Budget 2-3 minutes/slide (e.g. 30' talk = 10-15 slides)
- Have one story to tell:
 - decide on underlying issue to be addressed
 - divide into logical, heirarchical subquestions
 - talk should be series of answers to these questions
- Zoom-In (intro) and Zoom-Out (closure)

Corporate Design

Slide Title



CONTENT

FIGURES

Presenter Name. (Short) Title

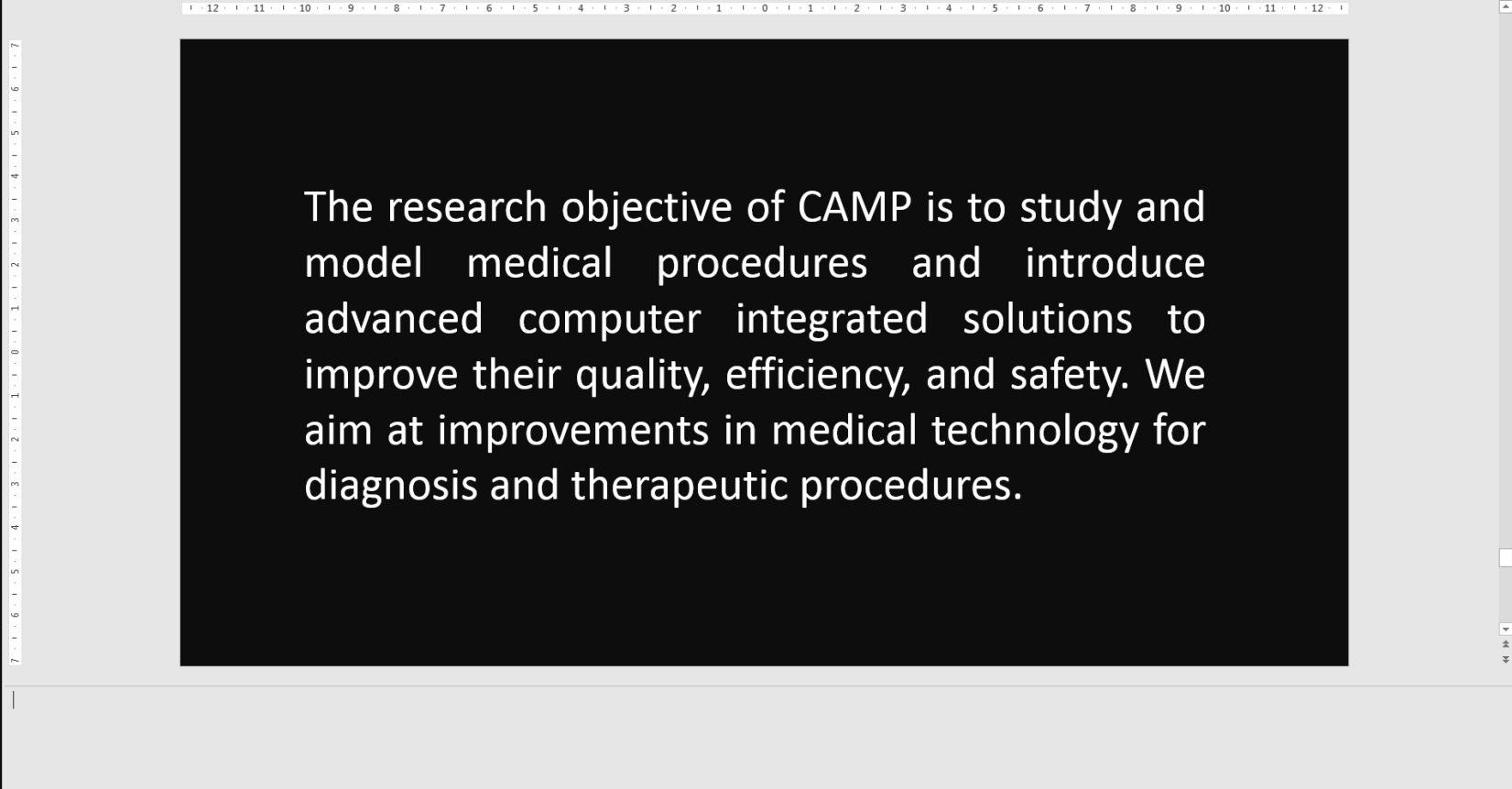
All Source Author(s). Title. Journal/Conference Year.

Slide Number

The research objective of CAMP is to study and model medical procedures and introduce advanced computer integrated solutions to improve their quality, efficiency, and safety. We aim at improvements in medical technology for diagnosis and therapeutic procedures.

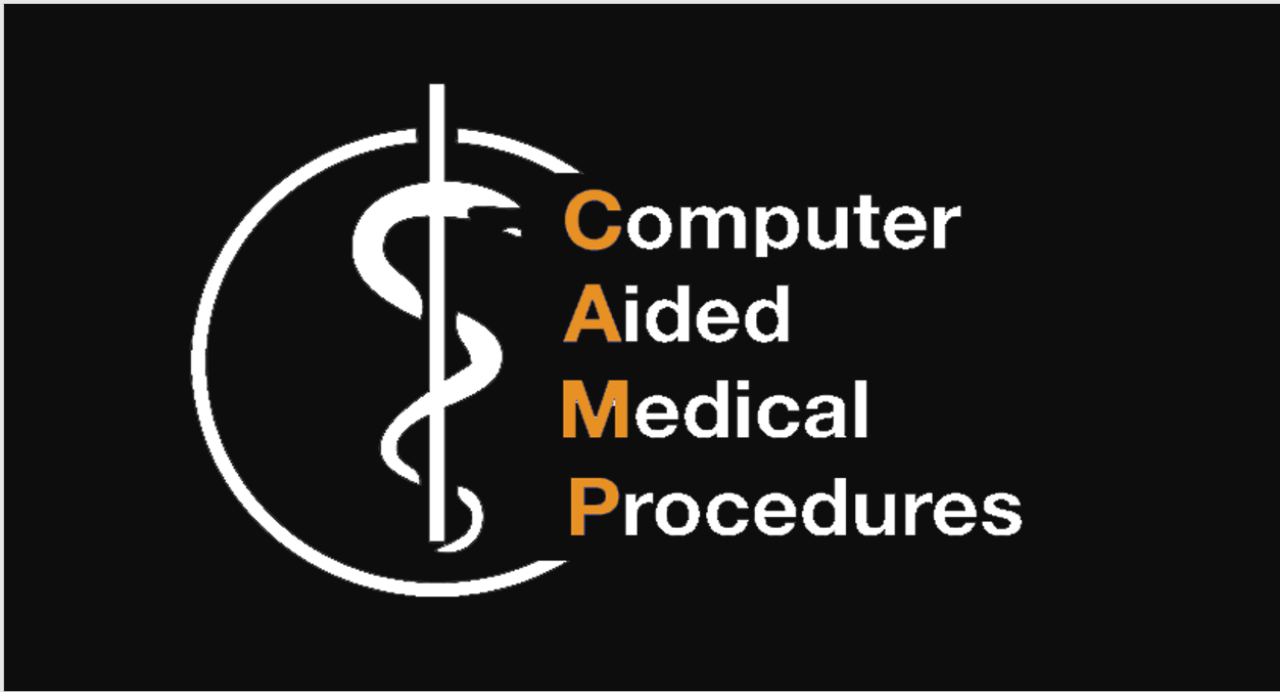
Biomedical Engineering is growing extremely fast, and needs a new generation of engineers who own the necessary multi-disciplinary know-how. The chair aims at bringing new elements into the curriculum of computer science students.

Memory



The research objective of CAMP is to study and model medical procedures and introduce advanced computer integrated solutions to improve their quality, efficiency, and safety. We aim at improvements in medical technology for diagnosis and therapeutic procedures.

Memory



Computer
Aided
Medical
Procedures

The research objective of CAMP is to study and model medical procedures and introduce advanced computer integrated solutions to improve their quality, efficiency, and safety. We aim at improvements in medical technology for diagnosis and therapeutic procedures.

D. Phillips: “How to avoid death by PowerPoint”. TEDx Stockholm 2014.

Size

Computer
Aided
Medical
Procedures

Project
Management
Software
Development

Size

Computer
Aided
Medical
Procedures

Project
Management
Software
Development

Size

Computer
Aided
Medical
Procedures

Project
Management
Software
Development

Font

Times New Roman

Computer
Aided
Medical
Procedures

Project
Management
Software
Development

Font

Comic Sans

Computer
Aided
Medical
Procedures

Project
Management
Software
Development

Font

Helvetica

Computer
Aided
Medical
Procedures

Project
Management
Software
Development

Contrast

Computer
Aided
Medical
Procedures

Project
Management
Software
Development

Contrast

Computer

Contrast

15.10.2024 **Introduction Session**

Individual Tutor Meetings

26.11.2024 **Presentation Training**

Individual Tutor Meetings

03.12.2024 **Invited Research Talk: Sarah Parisot, Microsoft Research**

Individual Tutor Meetings

07.01.2025 Presentation Slot I

14.01.2025 Presentation Slot II

21.01.2025 Presentation Slot III

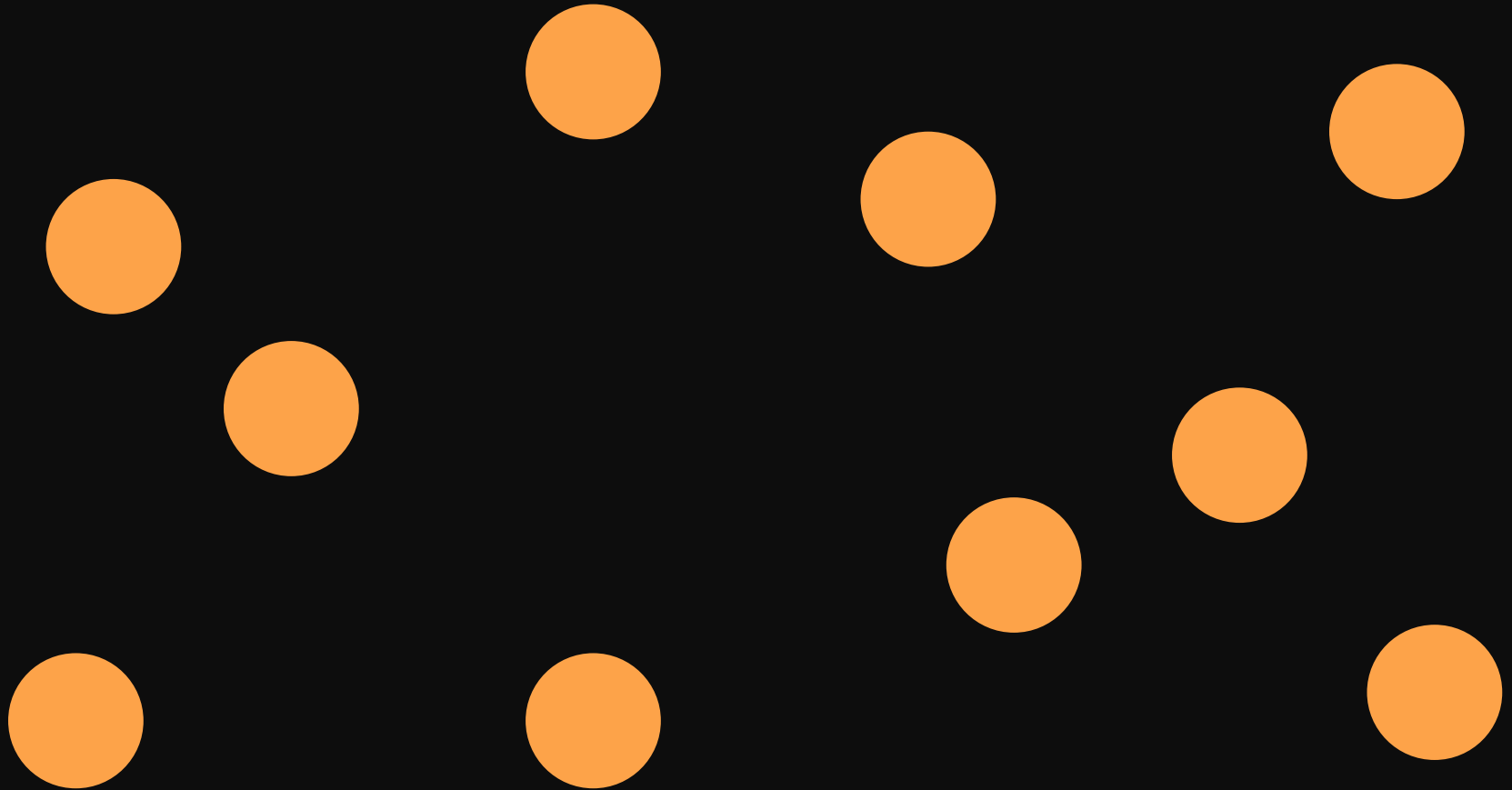
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Bright Background

Objects







SIX

Objects

Computer
Aided
Medical
Procedures
Augmented
Reality

Modern
Computer
Vision
Methods
Seminar
TUM

Objects

Computer
Aided
Medical
Procedures

Repetition



C O N T R A S T
D A R K
S I M P L E
R E P E A T
S I X



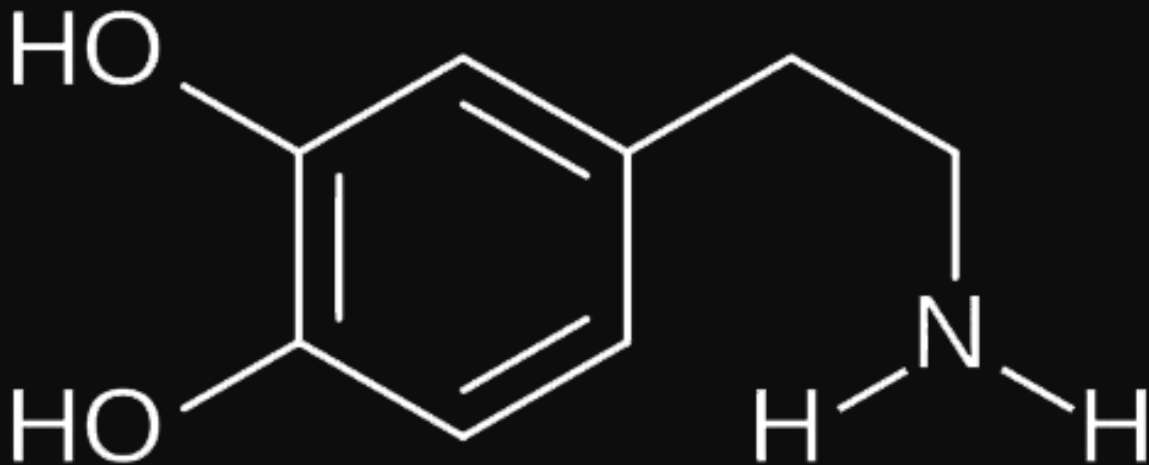
4. Content & Story



Storytelling

“ Your job as a storyteller is to help people connect the dots. ”

Kendall F. Haven (Author)



Peter truly loved her.

Last month, she finally visited a doctor.

When he got home today, Peter started crying.

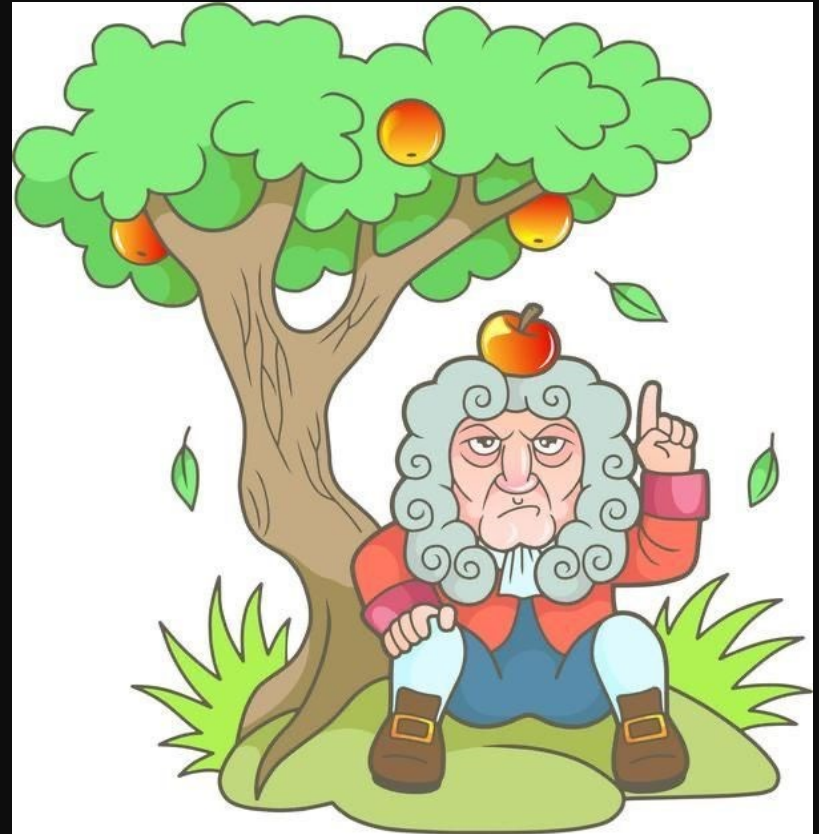
Content Composition

Primacy-Recency effect

Set Topic

Motivate

Relate

A**B**

Choose A or B and prepare a 1-2 min presentation using story telling

5. Practical Advice



Hard Facts

Arrive early
Deep breaths
Drink water

Learn from others
Rehearse !



Further Literature

Nick Morgan. Give Your Speech, Change The World
Harvard Business School Press. 2003


David Phillips. The magical science of storytelling
TEDxStockholm. 2017

Scientific Style and Format: The CSE Manual for Authors, Editors, and Publishers
Council of Science Editors. 7th Edition (p. 460). Reston, Rockefeller University Press. 2006

Marilynn Larkin. How to give a Dynamic Scientific Presentation
Elsevier Connect. 2015

Janice Kersh. 7 Emotional Triggers to Hook Your Subscribers
Convince & Convert. 2017

Stephen Kosslyn et al. PowerPoint® Presentation Flaws and Failures: A Psychological Analysis
Frontiers in Psychology. 2012



Now it's your turn!

Course Dates

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21.01.2025 Presentation Slot III



Now it's your turn!

