A Bayesian Adaptive Smoothing and Thresholding Approach for Activation Detection in Single-Subject fMRI

Juan Esteban Flórez Coronel

University of Puerto Rico, Mayaguez
Department of Mathematical Sciences

Advisor: Israel Almodóvar-Rivera, Ph.D.

June 25, 2024

Contents

Contents

Contents

Slide Title #1

Slide subtitle #1

- Use the `itemize` environment frequently.
- Use short [1] sentences and phrases.
- In this presentation we use the `\pause` macro.

Slide Title #1

Slide subtitle #1

- Use the `itemize` environment frequently.
- Use short [1] sentences and phrases.
- In this presentation we use the `\pause` macro.

Slide Title #1

Slide subtitle #1

- Use the `itemize` environment frequently.
- Use short [1] sentences and phrases.
- In this presentation we use the `\pause` macro.

Contents

Contents

Contents

Slide Title #2

- You can define the order of appearance.
- Like here.
- This is the second item to appear.

Slide Title #2

- You can define the order of appearance.
- Like here.
- This is the second item to appear.

Slide Title #2

- You can define the order of appearance.
- Like here.
- This is the second item to appear.

Slide Title #3

- Group without title.
- Appears for all slides.

Group title

- $e^{i\pi} = -1$.
- $e^{i\pi/2} = i$.

Slide Title #3

- Group without title.
- Appears for all slides.

Group title

- $e^{i\pi} = -1$.
- $e^{i\pi/2} = i$.

2D 2-Dimensional. 16

2-Dimensional (2D)

Contents

Slide Title #4

Example

First example.

Example

Second example.

Slide Title #4

Example

First example.

Example

Second example.

Slide Title #5

Table example

	col 1	col 2	col 3
row 1	11	12	13
row 2	21	22	23

Slide Title #6

Figure example

(source: Wikipedia)

Slide Title #7

Math examples

$$B' = -\nabla \times E \tag{1}$$

$$E' = \nabla \times B - 4\pi j$$

Contents

Contents

Summary

Attention

This is an important alert

Contents

Summary

- The first main message of our talk.
- The second main message of our talk.
- Maybe a third message, but ... no more.

- Conclusion.
- Future work.
- Discussion.

References2

J. J. Gorgoso-Varela and A. Rojo-Alboreca, "Use of gumbel and weibull functions to model extreme values of diameter distributions in forest stands," *Annals of forest science*, vol. 71, pp. 741–750, 2014.