RE: slides for internal defense

Rik PINTELON <Rik.Pintelon@vub.be>

Mon 4/27/2020 10:59 AM

To: Ivan MARKOVSKY <Ivan.Markovsky@vub.be>; Gustavo Quintana-Carapia <Gustavo.Quintana-Carapia@vub.be>

1 attachments (998 KB)
internal-defense.pdf;

Dear Gustavo,

The presentation should not be longer than 30 minutes and not shorter than 30 minutes.

Attached a few comments. Overall, what I missing is the philosophy behind the choices made and the consequences of the choices made.

A possible structure of the presentation can be

1. The initial problem statement is OK: a sensor is a dynamical system that should be compensated for.

2. How to tackle this problem?
2.a Classical approach: parametric modeling: pros/cons?
2.b Non-classical approach: data driven (model free) estimation: pros/cons?

3. Elaboration of the data driven method
Conclusion: price to be paid for model free estimation: the original output error problem is transformed into an errors-in-variables problem.

4. Contribution PhD:
4.a in depth bias and variance analysis data driven modeling for step-inputs
4.b in depth bias and variance analysis data driven modeling for affine inputs
4.c Experimental illustration

Kind regards,

Rik

-----Original Message-----
From: Ivan MARKOVSKY <Ivan.Markovsky@vub.be>
Sent: Monday, 27 April 2020 10:47
To: Gustavo Quintana-Carapia <Gustavo.Quintana-Carapia@vub.be>; Rik PINTELON <Rik.Pintelon@vub.be>
Subject: Re: slides for internal defense

Dear Gustavo,

the presentation should not be longer than 15 minutes. This means roughly 15 slides. The idea is to give a brief high level overview of the results and set the stage for the discussion.

Before preparing the slides, please think carefully what you want to say in the 15 minutes. Then prepare the slides to support the oral presentation.

Best regards,
Ivan

On 27/04/2020 09:10, Gustavo Quintana-Carapia wrote:
> Dear Ivan and Rik,
>
> Attached you will find a preliminary version of the slides for the
> internal defense presentation.
>
> Best regards,
>
> Gustavo