

Closing session and take away of the Methodological course: Advanced Benchmarking Models and Techniques



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(DIAG), Sapienza University of Rome, 22 March 2021

We are at the end...

Day 1: Monday 22 March 2021

- 9:00 -9:10 Welcome of participants and Introduction to the course
- 09:10-10:10 Lecture: A Conceptual framework for performance modeling (Cinzia Daraio)
- 10:20-12:30 State of the art of quantitative performance measurement techniques (Cinzia Daraio)
- 13:45-15:45 Laboratory session -Tutorial on R (Thyago Nepomuceno)
16:00-18:00 Laboratory session -Tutorial on Matlab (Simone Di Leo and Giammarco Quaglia)

Thursday 25 March 2021 from 12 a.m. to 3 pm.

- A midweek virtual meeting/appointment will be scheduled to help and support in the group exercises on Slack

Day 2: Monday 29 March 2021

- 9:00-12:00 Group presentations with some breaks
- **12:00-12:30 Closing session and take away (Cinzia Daraio)**

What we have learned

- Usefulness of **performance models** and **methods**
- Something about **how to manage time and individual performance** (Morning Miracle and Allen's suggestions to be productive in our activities)
- Importance of using a **framework** for performance modelling before running a quantitative performance analysis
- Available **tools** for implementing performance and efficiency analysis techniques
- Tutorials on **R** and **Matlab**
- Explored the proposed tools with real and/or own datasets
- Some **interactions** through **Slack**.

Take away

- A **conceptual framework** for performance modeling
- A schematic **taxonomy** of quantitative performance (frontier) **models** and the related **measurement techniques**
- Overview on the **software options**
- Experience of **R**
- Experience of **Matlab**
- Ability of **running an efficiency analysis** on real data and present the results (Project work activity)