# BS1820: Maths and Statistics Foundations for Analytics

**Overview and Logistics**

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## About Me

Bio:

- – Assistant Professor of Operations Management

- – Department of *Analytics, Marketing and Operations*

- – PhD in Operations Management from Columbia University

- – Research interests: revenue management and pricing, supply chain management, data analytics

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## About the Module

BS1820: Maths and Statistics Foundations for Analytics

- Core module of MSc in Business Analytics program
- Review fundamental concepts from:
    - » Linear algebra
    - » Probability
    - » Statistics
- Learn basic skills of R using the RStudio IDE
- Slides are self-contained; some reference books in the syllabus

Three TAs:

- **Aras Selvi**: a.selvi19@
- **Shubhy Ghosal**: s.ghosal16@
- **Hans-Joachim Sonntag**: h.sonntag18@

## About the Module: Delivery

Lectures:

- 1.5 hours; 11am – 12:30 Tuesday; 9 – 10:30 Thursday
- Thu, 15 Oct class → Wed, 14 Oct
- Multi-modal: $\sim 1/3$ in the classroom; $\sim 2/3$ online
- Focus on main materials in course slides

Live classes:

- 1 hour; 2 – 3pm Monday
- Online via Zoom
- Cover R and practice problems

Live review sessions:

- 1 hour; 9 – 10 / 10 – 11 Friday (check Insendi for your slot)
- Online via Zoom
- Discuss problems and Q&A

## About the Module: Support

Office hours (online):

– 1 – 2pm, Monday by **Aras**

– 1 – 2pm, Wednesday by **Hans**

– 1 – 2pm, Friday by **Shubhy**

Forum discussion:

– Post your questions on the "Review" part of each week

– TAs will address your questions

– Peer help/discussion is welcomed

Email TAs and me:

– If you have specific questions or need additional help

– We will answer via email or schedule 1-1 Zoom meeting if necessary

## About the Module

Quizzes (**5%**): 3 online quizzes each of 3 multiple choice questions

Coursework (**45%**)

– 3 group assignments on the 3 parts

– No late submission

Exam (**50%**): time TBD

Questions?