

Meet the Teaching Team: Your Instructor



Prof. Rene Kizilcec
Information Science
Pronouns: he/him



Research

- Education Technology
- Equity and Fairness
- Educational Data Science

Other Teaching

- Behavioral Science Interventions COMM/INFO 4800
- Coming soon: AI in Education

Meet the Teaching Team: Your TAs

Scott Allen (he/his; PhD candidate in Physics)

Jinsook Lee (she/her; PhD student in Information Science)

Yan Tao (she/her; PhD student in Information Science)

Lincy Chen (she/her; Senior majoring in ILR)

Mitra Farzami (she/her; Senior majoring in IS)

Salma Hazimeh (she/her; Senior majoring in IS)

Gemma Petrulla (she/her; Senior majoring in ISST)

Dave Tirtariyadi (he/him; Senior in Chemical Engineering / Data Science)

Lucia Zacek (she/her; Senior majoring in CS / Statistics)

Check out the video online with advice from past TAs

Meet your Classmates

First-year	1
Sophomores	13
Juniors	51
Seniors +	39
Master's	20
PhD	2

Arts & Sciences	46
MPS	19
Engineering	17
CALS	38
Business	2
M.Eng.	1
Human Ecology	2

Meet your Classmates

Information Science

Computer Science

Economics

AEM

Environment & Sustainability

ORIE

Agricultural Sciences

American Studies

Biological Sciences

Biometry & Statistics

Chemical Engineering

Chemistry

Government

History of Art

Human Development

Human Environment Relations

Environmental Psychology & Human Factors

International Agriculture & Rural Development

Psychology

Cognitive Science

Sociology

Physics

Meet your Classmates

Enough data...

Introduce yourself to 1-2 new people sitting close to you

LEARNING ANALYTICS

Emerging job opportunities require digital skills



Top 5 jobs with increasing demand

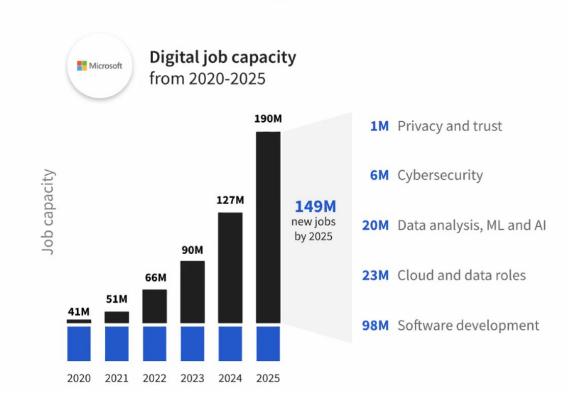
- 1 Data Analyst and Scientists
- 2 AI / ML Learning Specialists
- 3 Big Data Specialists
- **4** Digital Marketing and Strategy Specialists
- **5** Process Automation Specialists

Emerging job opportunities require digital skills

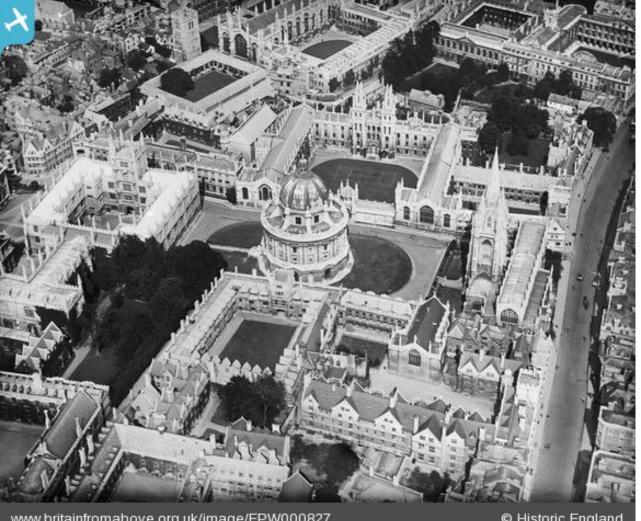


Top 5 jobs with increasing demand

- Data Analyst and Scientists
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- 4 Digital Marketing and Strategy Specialists
- 5 Process Automation Specialists







1320 Europe - The **Bodleian Library** at Oxford













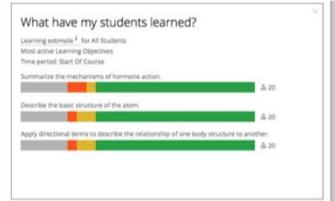


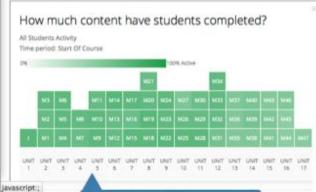
Changing Lives for 80 Years

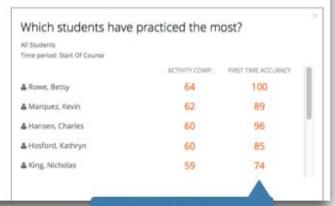


A Global Network of Schools









See where students are struggling. See which students are practicing.

COURSER UDACITY Learn. Think. Do.













All Education Apps See All >



Macco Lingui - Learn ...
Paul Macco





Arabic Typing Anis Marrouchi

\$19.99



R+Motion ROBOTIS CO., LTD.

GET ▼



Manoké Stage Manoke Inc

GET ▼



Kindergarten Math Nathalie Palma

\$2.99 🔻



ElectriCon Nic Kolbe

\$1.99 ▼



Manoké Studio Manoke Inc

GET ▼



Dictionnaire Le Petit R... SEJER

\$54.99 🔻



The Country Flags Tou... Gaurav Kestwal

\$1.99 ▼



Anatomical Atlas Of Hu... Tools Assistant

GET ▼

In-App Purchases



EST Courses Elite Strategic Training

GET ▼



Quick Equation - Menu...

Solaz Dazen srl

\$3.99 ▼



mPV Course Recording...
Nonlinear Educating Inc.

\$13.99 ▼



SAAo-SX Reader Lite Chaitanya D Kanchan

GET ▼



Typing Instructor Bundle individual Software, Inc.

\$34.99 🔻



Mental Math Practice ... Ramon Dormans

rtainon borniant

GET ▼

In-App Purchases



Solar Eclipses
Pietro Massimino

\$1.99 🔻



JLPTN5 Rebouh Aymen

\$0.99



Cardflow Qrayon, LLC

GET ▼

In-App Purchases



TranslateMe for Safari Side Tree Software

\$7.99



ABCmouse LIVE!
Age of Learning, Inc.

GET ▼



JSON Visualizer Biscuit & Chai, LLC

\$0.99 ▼



3DL App Studio AS

GET ▼



Sweet Dream Journey Sugan Sirihattasak

\$2.99 ▼

Why Learning Analytics?

Data Trails

Analytics

Change

What are Learning Analytics?

The measurement, collection, analysis and reporting of data about learners and their contexts, for purposes of understanding and optimising learning and the environment in which it occurs.

Learning Analytics & Knowledge Conference, 2011

Quick Activity

First, make a list on your own:

2 mins

1. What learning environments do you use?

Turn to the person next to you:

6 mins

- 2. Share your list
- 3. Together think about what data these systems do collect or could collect
- 4. How could this data be useful to learners and/or teachers

Learning Objectives

- Explain key insights from learning science research and how learning works.
- 2. Select and apply methods from educational data mining and learning analytics to analyze different kinds of educational data.
- Evaluate the results of different methods for different applications.
- Compare the strengths and weaknesses of methods for different applications.
- Identify potential benefits and risks of learning analytics for students, teachers, and institutions.

Course Structure: About One Topic Per Week

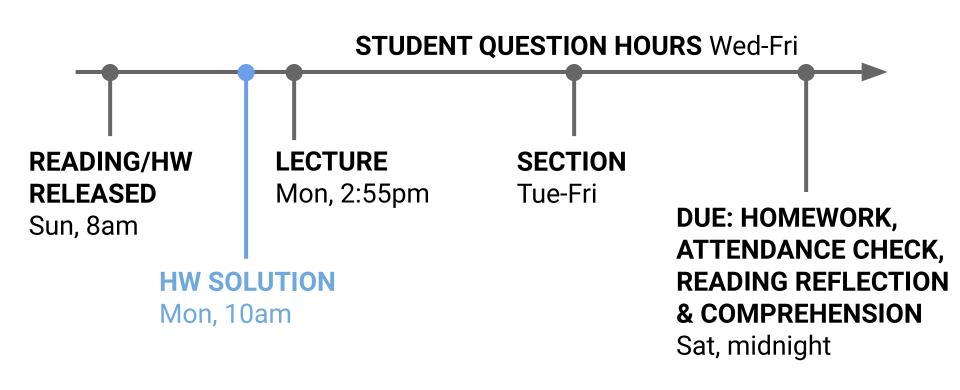
- 1. Overview of Learning Analytics
- 2. Ethical Considerations
- 4. Causal Inference
- 5. Multimedia Learning & Video Analytics
- 7. Self-regulated Learning
- 8. Assessment
- 9. Emotional Learning Analytics
- 10. Learning Analytics Dashboards GROUP PROJECT
- 11. Curriculum Analytics

Course Structure

What You Do In A Typical Week

- Do the readings, watch some videos on edX
- Participate in lectures, sections in person
- Answer reading comprehension questions on edX
- Post a reading reflection and comment on someone else's on Slack
- Submit your homework assignment on edX
- Submit attendance check on edX

Course Structure Timeline



Getting Started



CornellX Info5101

About the Course

due Sep 5, 2021, 12:00 AM EDT

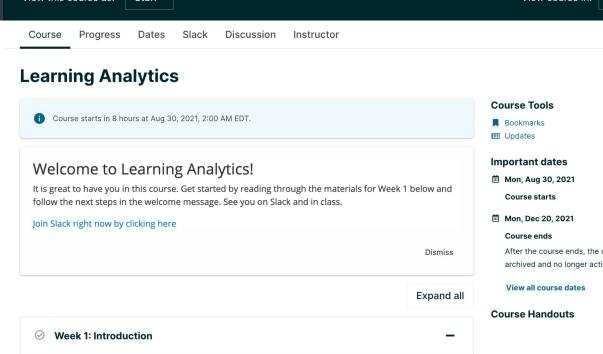
Getting Started with R and R Studio

Log into the edX

Review Week 1 materials

Read the syllabus

Follow R instructions

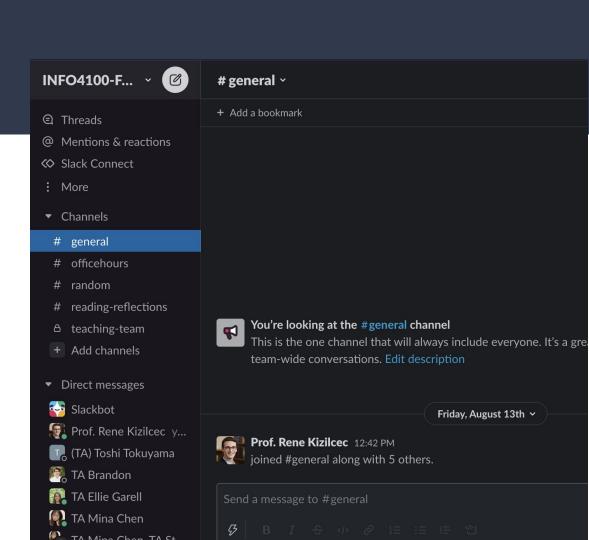


Getting Started

Log into the Slack group

Introduce yourself in #general

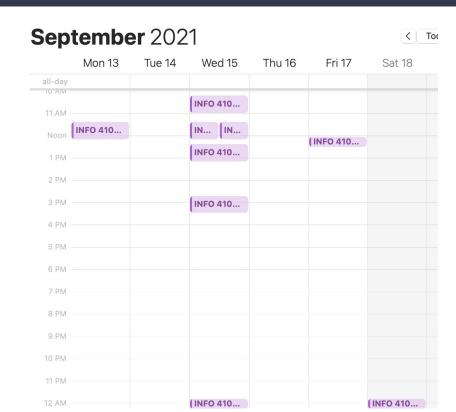
Once you formed a group (4-6 students), create a private channel, add teaching team



Getting Started

Download and import the course calendar with all important events and due dates

Link to the file is at the bottom of the first page of the "About the Course" section in edX



Course Procedures

Communication: use Slack, not email

Grading: everything happens on edX, see Progress page

No late days: If you forget something, it counts as 0.

→ Unless there's a documented accommodation

Attendance	Reading Comprehension	Reading Reflections	Homework	Group Projects
10%	10%	10%	55%	15% (3 * 5%)

Your First Section

- 1. Form a study group of 4-6 students
- Get to know each other
- 3. Read advice from previous students
- 4. Help with R set up and test script
- 5. Any lingering questions about using R
- 6. Complete the course survey if you haven't yet

Section Enrollments

New portal for enrollment help:

https://tdx.cornell.edu/TDClient/193/

Section 201 is quite full – consider moving to a later section (204, 205, 206, 207, 208)

Section Balancing

201 Tuesday	2:55PM - 4:10PM 314	\rightarrow over-enrolled
205 Wednesday	8:40AM - 9:55AM 314	\rightarrow space
206 Thursday	8:40AM - 9:55AM 314	\rightarrow space
203 Thursday	2:55PM - 4:10PM 314	
202 Friday	11:40AM - 12:55PM 206	\rightarrow merge with 208
202 Friday 208 Friday	11:40AM - 12:55PM 206 11:40AM - 12:55PM 401	→ merge with 208→ space
		•

Any questions?