

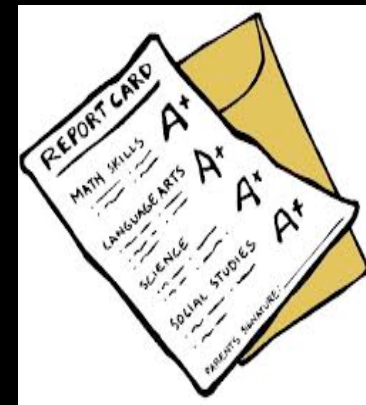
# LEAP: ANALYTICS FOR LEARNERS AS PEOPLE

**Goal: Connect students personal attributes to their academic performance**



- Personality, Values
- Behaviors
- Interests
- Sentiment

- Grades
- Courses
- Major



**Correlations:** Gain new insights, e.g., What are the patterns of behaviors of successful students in Physics? What is the typical profile of a student who experiences academic difficulties?

**Predictions:** Use academic and personal attributes to predict (1) academic success, and (2) mental health.

# DISENTANGLING TOPIC MODELS: WHAT DO STUDENTS APPRECIATE IN A PROFESSOR?

09/03/2015

ENG425

RESPECTED BY STUDENTS

HILARIOUS

INSPIRATIONAL



GOOD

5

HELPFULNESS

5

CLARITY

2

EASINESS

For Credit: Yes

Attendance: Mandatory

Textbook Use:

Essential to passing

Rater Interest: It's my life

Grade Received: A-

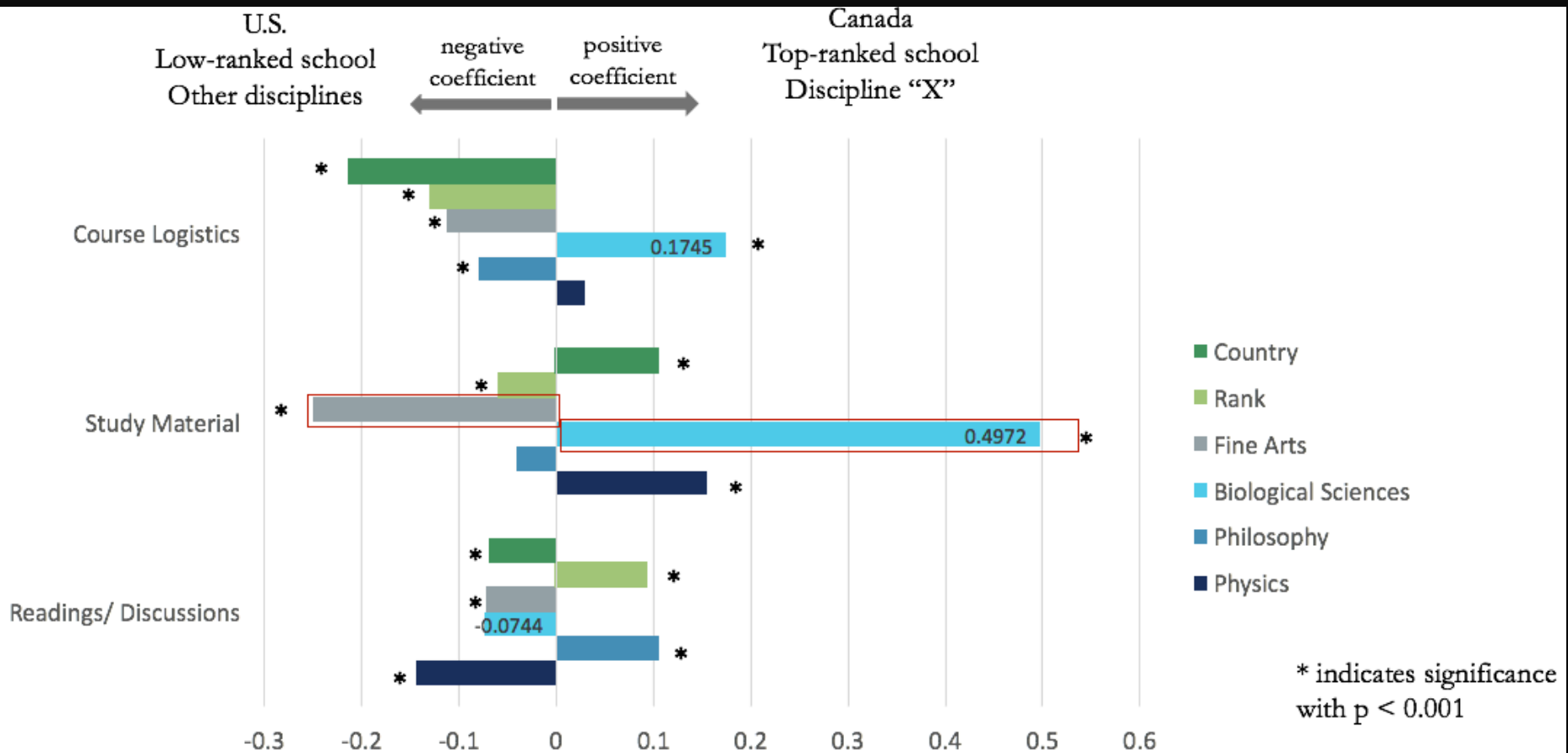
John is by far the best teacher at U of M. He is funny, caring, and so passionate. He genuinely loves his job, and makes you want to come to class. Don't go in expecting an A though, you'll have to work for it, but it's worth it, trust me. Go to office hours & put effort into your work, and this will be one of the best classes you've ever had.



# WHAT DO STUDENTS CARE ABOUT?

<b>Topic</b>	<b>Sample words</b>
Approachability	clear, helpful, fair, nice, questions, interesting, approachable, best, help, excellent
Clarity	hard, homework, helpful, understand, help, material, office, exams, clear, problems
Course Logistics	study, credit, extra, gives, hard, book, exams, notes, attendance, guides, material
Course Requirements	book, material, lot, study, notes, exams, need, attention, questions
Expectations	work, lot, writing, nice, helpful, papers, hard, fun, time, willing, pretty
Helpfulness	best, fun, helpful, help, makes, awesome, recommend, amazing, cares, love, willing
Humor	funny, interesting, guy, fun, awesome, entertaining, hilarious, love, stories, jokes
Knowledge	excellent, teaching, best, knowledgeable, knows, brilliant, wonderful, intelligent
Miscellaneous	prof, hard, like, does, time, best, work, people, classes, stuff, comments, makes
Readings/Discussions	interesting, readings, lot, papers, discussions, material, subject, classes, essays, lecturer
Study Material	notes, exams, questions, hard, study, textbook, material, know, clear, fair, book, slides

# DISENTANGLING TOPIC MODELS



# DISENTANGLING TOPIC MODELS

