

A Appendix

The screenshot shows a review form with several sections:

- 6 TEXTBOOK USE**: Radio buttons for "YEAH" and "UM, NO.".
- 7 ATTENDANCE (Optional)**: Radio buttons for "MANDATORY" and "NON MANDATORY".
- 8 HOTNESS (Optional)**: Radio buttons for "YEAH" and "UM, NO.".
- 9 SELECT UP TO 3 TAGS THAT BEST DESCRIBE THIS PROFESSOR (Optional)**: A grid of 18 tags including "TOUGH GRADER", "GIVES GOOD FEEDBACK", "RESPECTED", "GET READY TO READ", "PARTICIPATION MATTERS", "SKIP CLASS? YOU WON'T PASS.", "LOTS OF HOMEWORK", "INSPIRATIONAL", "BEWARE OF POP QUIZZES", "ACCESSIBLE OUTSIDE CLASS", "SO MANY PAPERS", "CLEAR GRADING CRITERIA", "HILARIOUS", "TEST HEAVY", "GRADED BY FEW THINGS", "AMAZING LECTURES", "CARING", "EXTRA CREDIT", "GROUP PROJECTS", and "LECTURE HEAVY".
- 10 HERE'S YOUR CHANCE TO BE MORE SPECIFIC**: A large text input area with a question mark icon.

Annotations on the left side:

- "Chili pepper rating" points to the "HOTNESS" section.
- "Free text comments" points to the "HERE'S YOUR CHANCE TO BE MORE SPECIFIC" section.

Figure 3: Screen capture of review form on RateMyProfessors.com, 2014.

The figure shows three overlapping screenshots of student reviews:

- Top-left review:** "I decided to retake Calc after a bad experience with a horrible AP Calc teacher in high school. I was glad I did. [redacted] class was challenging but so fascinating and enjoyable. He's a fairly lenient grader, he helps out a lot in office hours and he doesn't assume students understand complex stuff like other math teachers do. Plus, hello, HOT!"
1 person found this useful, 2 people did not find this useful.
- Top-right review:** "He makes sure everyone understands material before he moves on. I HATE math but I am able to keep up. He is very quick at replying to emails. Good looking. Good sense of humor. Take him if you can!"
0 people did not find this useful.
- Bottom-center review:** "Doctor [redacted] makes this class understandable and enjoyable for everyone. The concepts learned in this class are enlightening, and the reading is easy to skim. [redacted] explains everything well and adds beneficial information from various sources. No tests, just papers and weekly memos. He's also pretty cute which helps. :)"
0 people found this useful, 0 people did not find this useful.
report this rating

Figure 4: Screen captures of attractiveness ratings on RateMyProfessors.com, 2019.

Carnegie Mellon University	Stanford University
Duke University	Tufts University
Harvard University	University of Chicago
Massachusetts Institute of Technology	University of Texas at Austin
Princeton University	Yale University
Rice University	

Table 8: Universities sampled in labeled dataset.

Tuition Level	Enrollment Level	University
high	low	Drexel University Emory University Fairfield University Lawrence Technological University Loyola Marymount University Pennsylvania State University Pomona College Princeton University Rice University Trinity University University of Chicago University of Tulsa Villanova University Wesleyan University Yale University
high	medium	Northwestern University Stanford University
low	high	Iowa State University University of California Los Angeles University of South Carolina University of Texas at Austin University of Wisconsin
low	low	College of Charleston Evergreen State College Montclair State University New Mexico State University Southern Utah University University of Montana University of Wyoming
low	medium	Boise State University Brigham Young University Georgia Institute of Technology Mississippi State University Oklahoma State University University of Illinois at Chicago University of Northern Iowa University of Oregon Washington State University Reed College
medium	high	Rutgers State University
medium	low	Austin College Berry College Bradley University Newberry College Oklahoma Baptist University
medium	medium	Temple University

Table 9: Universities appearing in unlabeled dataset. Tuition levels are binned by high (42,000–59,000), medium (27,000–41,000) and low (5,500–14,800). School enrollment is binned by high (35,000–52,000), medium (17,000–34,500) and low (2,000–17,000).

Dictionary	Word List
hot dictionary	adorable, alluring, appealing, athletic, attractive, babe, banging, banging, beautiful, beauty, becoming, beguiling, bewitched, bewitching, bootylicious, breathtaking, buxom, charming, chili, comely, cute, dainty, dazzling, divine, doll, dork, dorky, dreamboat, dreamy, enchanting, fetching, fire, flaming, fox, foxy, gentle, gentleness, glamorous, glorious, gorgeous, graceful, handsome, hottie, hubba, hunk, hunky, hypnotic, irresistible, looker, lovely, luscious, magnetic, marry, nerdy, ravishing, seductive, sensuous, sexy, smokin, smoking, soothing, spiffy, striking, stunning, sublime
fashion list	boots, clothes, clothing, dress, dressed, dresses, fashion, hip, hipster, jacket, outfit, outfits, shoes, socks, stylish, wardrobe, wear, wears
hair words	bald, baldness, baldspot, beard, blond, blonde, brunette, curly, dreadlocks, hair, haircut, moustache, mustache, shave, sideburns, toupee, wavy

Table 10: Domain-specific word lists used in feature selection.

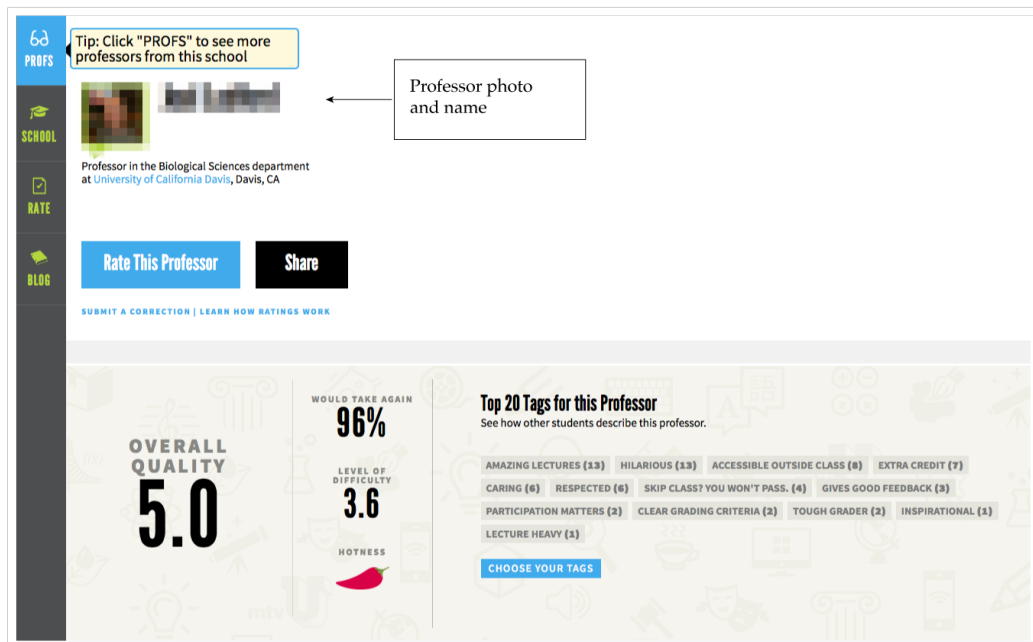


Figure 5: Screen capture of professor profile on RateMyProfessors.com, 2014.

Features									
Familiarity and first person	•	–	•	•	–	–	–	–	–
Lexical:									
has “hot”	•	–	•	•	•	•	•	•	•
has “accent”	•	–	•	•	•	•	•	–	•
age, body part, clothing	•	–	•	•	•	•	•	–	–
Readability	•	–	–	–	–	–	–	–	–
Sentiment polarity	•	–	•	•	•	–	–	–	–
Subjectivity score	•	–	•	•	•	–	–	–	–
Formality	•	–	•	–	–	–	–	–	–
Pronouns	•	–	•	•	–	–	–	–	–
Internet Style	•	–	•	•	•	•	–	–	–
<i>F1</i>	.90	.27	.90	.90	.90	.90	.90	.79	.90

Table 11: Feature ablation study demonstrating the document classifier’s reliance on domain-specific lexical features in development dataset.