You should (probably) learn that

Recommended courses for each one of us

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https://github.com/regisb/edx-platform/tree/regisb/recommended-courses

`recommended/courses.py:`

```python
def for_user(user):
    """
    Course recommendations for every user.
    "Item-Based Collaborative Filtering Recommendation Algorithms", Sarwar et al. 2001
    """
    # C = number of courses
    # E = average number of enrollments/course
    # e = number of courses user is enrolled in
    mat = get_course_similarity_matrix()                  # O(C²E)
    best_course = get_course_scores_for_user(user, mat)   # O(eC)
    return best_courses[:3]
```

https://github.com/regisb/edx-platform/

(regisb/recommended-courses branch)

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