



YU Torah Online Recommender System



Katz

Katz School
of Science and Health

Marlee Goodman


What is it? A lecture (shiur) site run by Yeshiva University


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Amos 2 Shabbat 10:4-5 Nedarim 54 Mikeitz כה' בסלו חשב"ג


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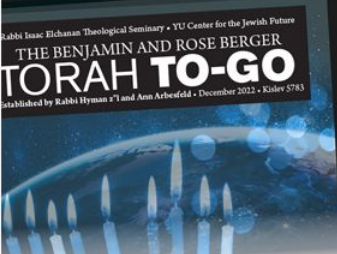
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MY SHIURIM

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CHANUKA
Spreading Light to the World




Dedicated to Dr. David and Barbara Harwitz
in honor of their children and grandchildren

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Benjamin and Rose Berger Chanuka To-Go 5783

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Shloshim Kinus
In commemoration of the shloshim of
Tobias (Teddy) Berman, ז"ל

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The Eternal Light of the Soul

Rabbi Dr. Ari Berman
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Followed by a
Siyum Mishnayot, Torah and Masechet Gittin
By the YU Students, Rebbeim, Family and Friends

— Open to the Community —

Learning on the Marcos and Adina Katz YUTorah site is sponsored today in memory of Reb Dan Chaim Halevi ben Michael / Rabbi Dan Segal z"l and Ben Grossman z"l, and Batya Gitel bat Moshe Aaron z"l and by Alan and Fran Broder to commemorate the yahrzeit of their grandmother, Goldie Broder, a'h, Yenta Golda bas Avraham Yitzchak and by the Cohen, Kraut and Silver families in memory of Elaine Blenenfeld Silver z"l and by Solomon Monderer for a refuah sheleimah for Leora bat Rifka and for a refuah sheleimah for Yehuda Baruch Noam ben Tova Batya betoch shar chollei Yisra'el

Contents:

- **Motivation and Goals**
- **Process and Code**
- **Conclusion**
- **Further Steps**

Motivation and Goals

- Site is overwhelming...
- Compare [YU's site](#) to [this lecture site](#)
- Better way to get to interesting lectures?
 - (besides revamping the design of the website?)
- Perhaps a recommender system??
- Proof of concept for a YU Torah Online recommender system

Process and Code

- Scrape website for content-based recommender (titles, lecturers, categories, descriptions)
- Export user information for collaborative filtering recommender
 - Google Analytics
- Code overview



Conclusion & Next Steps

- It's feasible - even without finishing the code
- And YU would want it
- But it's hard...
 - Messy website code
 - BeautifulSoup and json
 - Cleaning the data
- Next steps:
 - Clean data better
 - Finish recommender system
 - Larger data pool

My Vision (perhaps for a capstone?)

