

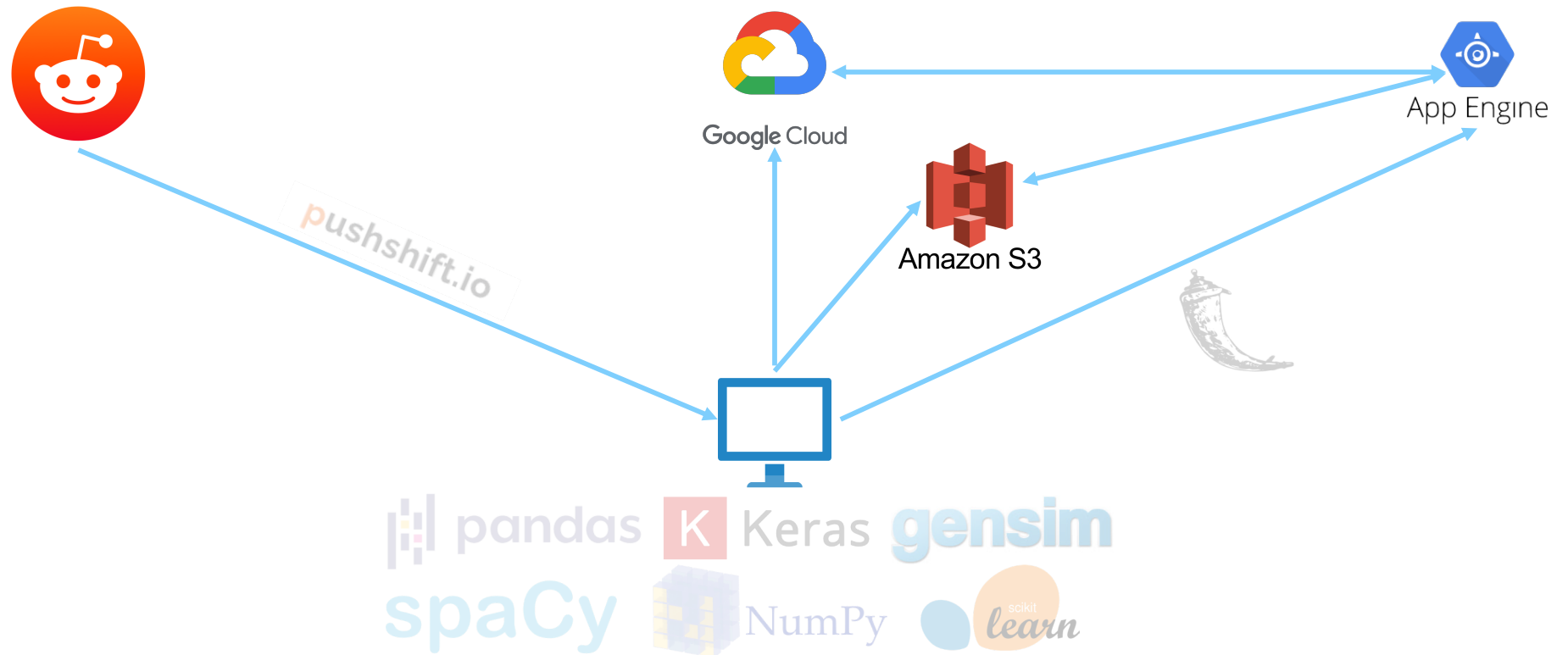


REDDIT ON RELATIONSHIPS

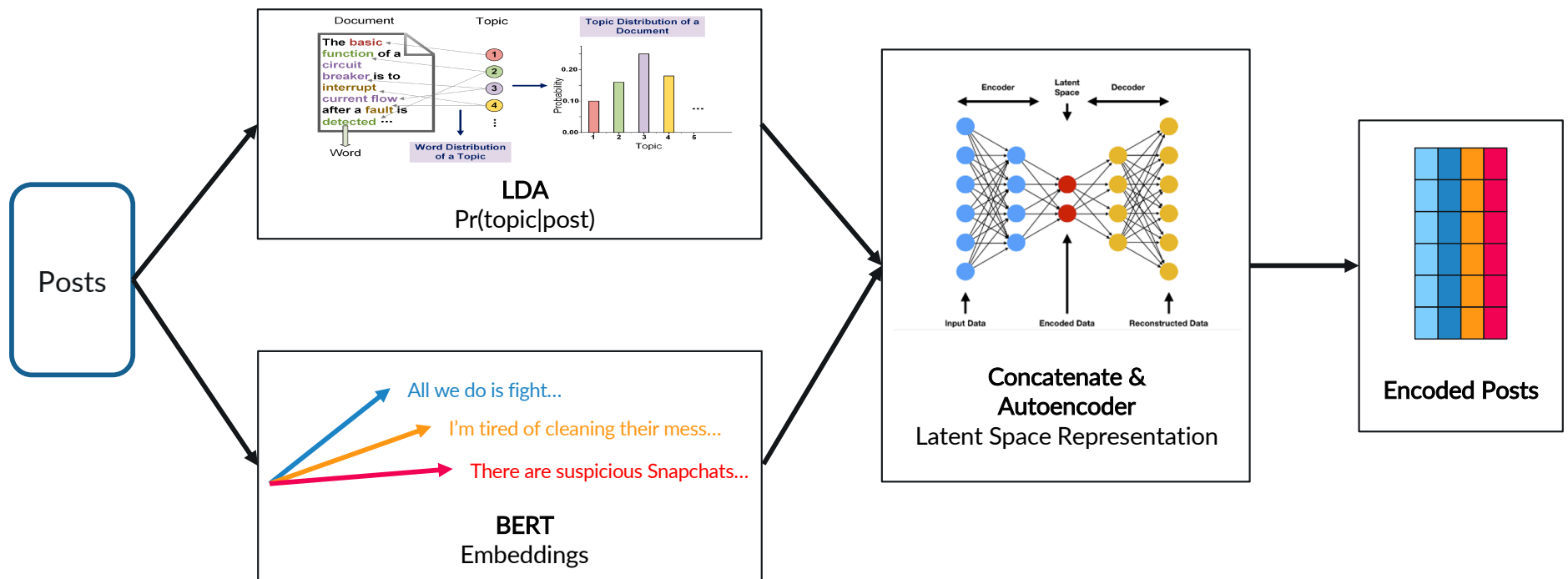
Why relationships?

- Relationship issues are sensitive
 - May not have people to discuss with
 - Hesitancy to even seek advice anonymously
- Searches for similar issues can be difficult
 - Multifaceted
 - Not able to describe issue concisely

Technologies & Workflow



Contextual Topic Embeddings

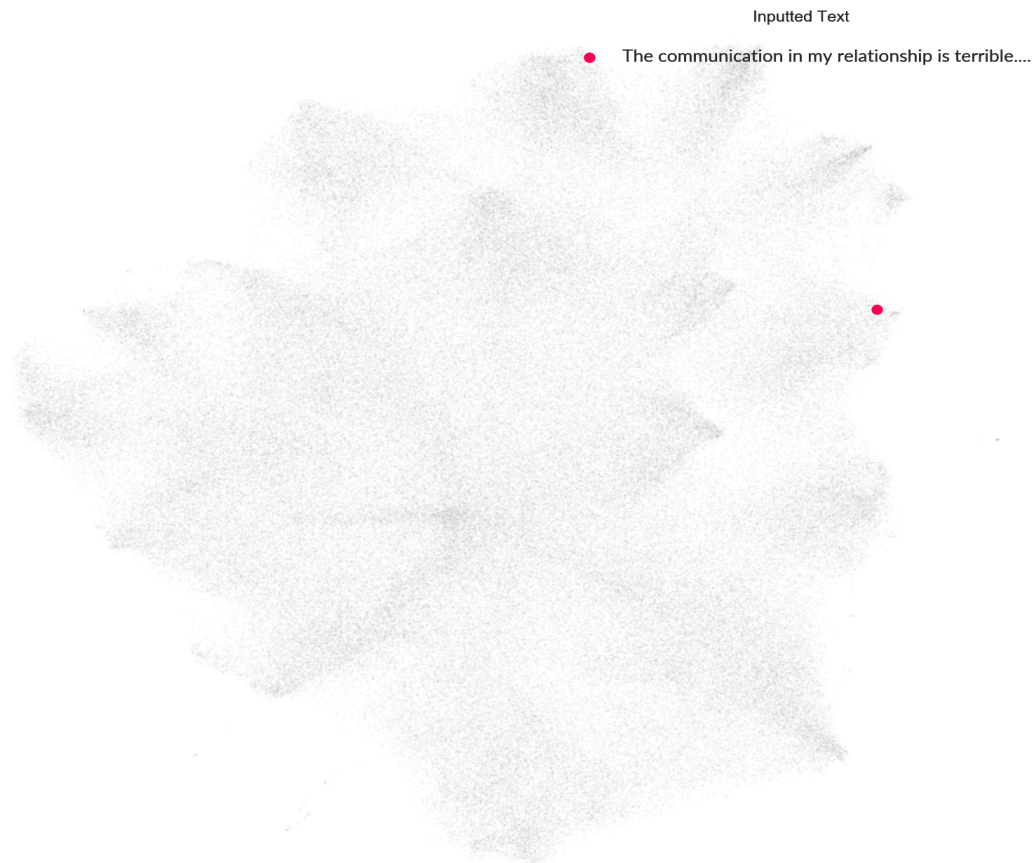




The communication in my relationship is terrible. We can never reach a resolution in a disagreement, and we're starting to argue more and more.

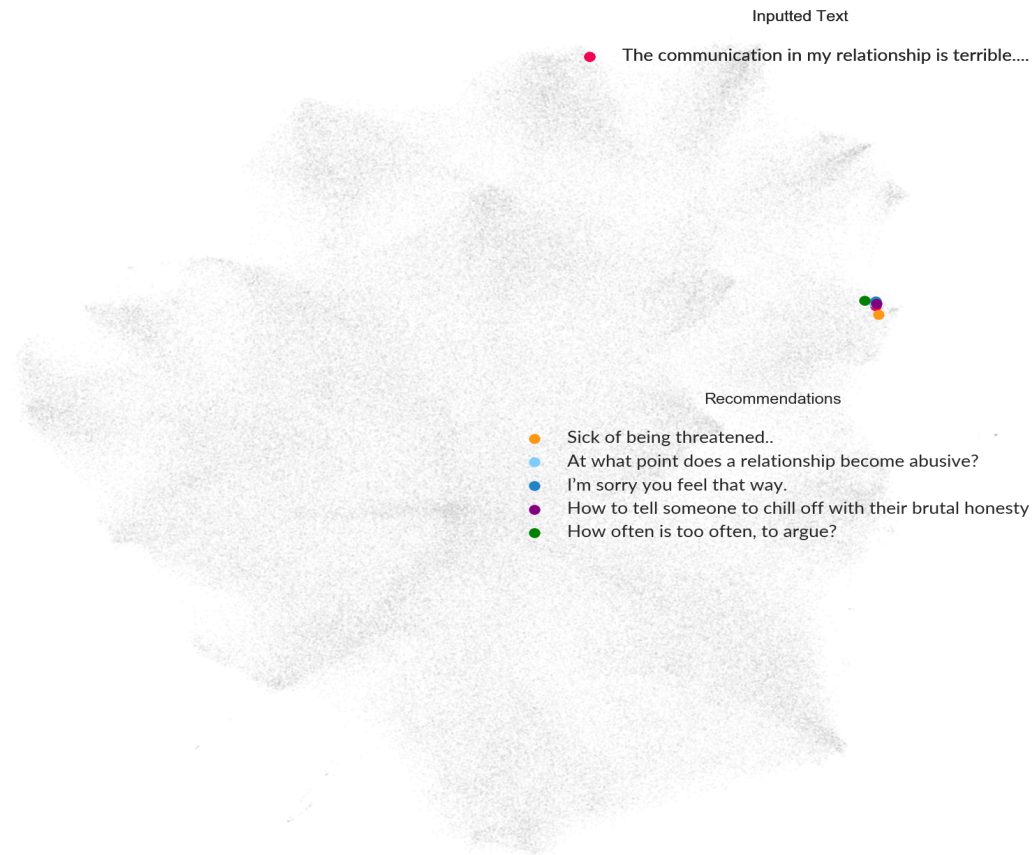
New text enters the post universe

Contextual Topic Embeddings - UMAP Projection



Recommendations based on distances

Contextual Topic Embeddings - UMAP Projection



The user sees...

Reddit on Relationships

Description

This web application recommends 5 posts from [r/relationshipadvice](#) based on user-inputted text. For more information on the data and methods behind the model, feel free to check out my [Github](#), or [connect with me directly](#).

Instructions

Enter whatever relationship problem you are currently seeking advice on. For best results, try to be as descriptive as possible.

The communication in my relationship is terrible. We can never reach a resolution in a disagreement, and we're starting to argue more and more.

Recommended Posts

Please enter text.

SEND MESSAGE

RESET

Limitations & Future Directions

- Expand sample
 - Currently only based on relationships of Reddit users
- Improve recommendations for traditional (i.e., shorter) searches
- Tune hyperparameters ad infinitum
- Adapt methodology to other domains (e.g., products sold on Amazon)

Thanks!

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Credits

Special thanks to all the people who made and released these awesome resources for free:

- ▶ Presentation template by [SlidesCarnival](#)