What if we didn't always get what we wanted?



What are Seattle hosts like?





Elena & AJ

Whimsical Studio in Prime Location

Seattle, WA, United States ★★★★ 88



Entire home/apt 2



2 Guests



Studio

1 Bed

Your Host



Elena & AJ

Seattle, Washington, United States · Joined in May 2011

I'm a local Leasing Agent in Seattle & run a leasing company in town with my partner AJ. We love to travel and host folks from all around the nation & world. I discovered the AirBnB community a few years ago and fell in love! We have hosted & met so many amazing people through this community - I'm always excited for our next guest or trip!

I grew up in Novosibirsk, Russia & Vancouver, BC. I used to do competitive Ballroom all through my childhood and teen years. I still love to dance but lately I have taken up capoeira & acro yoga.

+ More

Response rate: 100%

Response time: within an hour



ews



Verifie

Contact host





Seat

Jeffrey

Spa retreat in vibrant Greenwood

Seattle, WA, United States ★★★★ 111



Entire home/apt



6 Guests



1 Bedroom



4 Beds

Your Host



Jeffrey

Seattle, Washington, United States · Joined in July 2014

My wife Ellen and I moved to Seattle from Minneapolis in 1989--so we pretty much say we are from Seattle at this point. I am a residential architect and builder. We bought a tiny house in the early nineties and we have been developing into our dream home in the city.

We love to road trip in our vintage vw bus, ride horses, sail, and spend as much time as possible outdoors.

Response rate: 100% Response time: within an hour





Verifie

Contact host

Sounds like topic modeling.

Non-negative Matrix Factorization

Non-negative Matrix Factorization

Word-document matrix

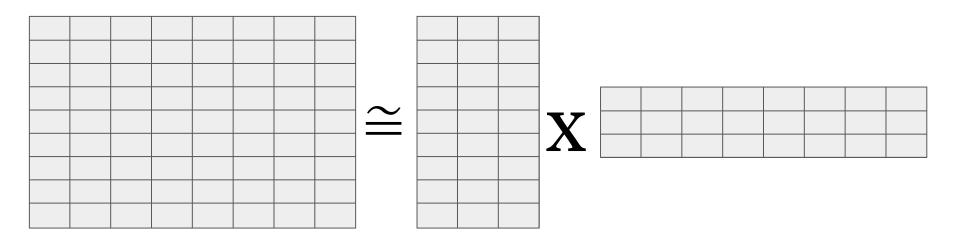
Word-document matrix

Word-feature matrix

Word-document matrix

Word-feature matrix

Feature-document matrix

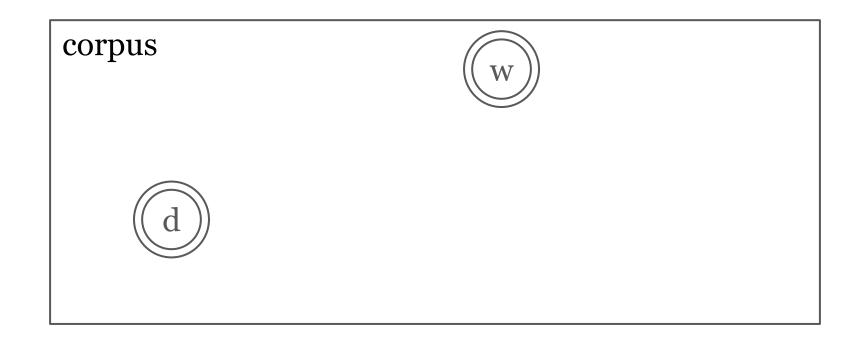


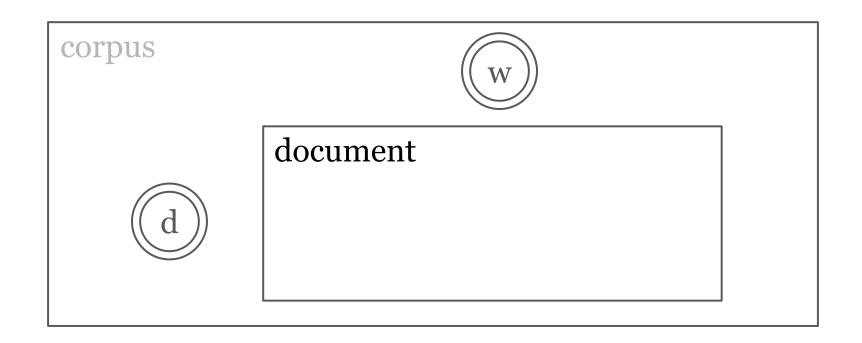
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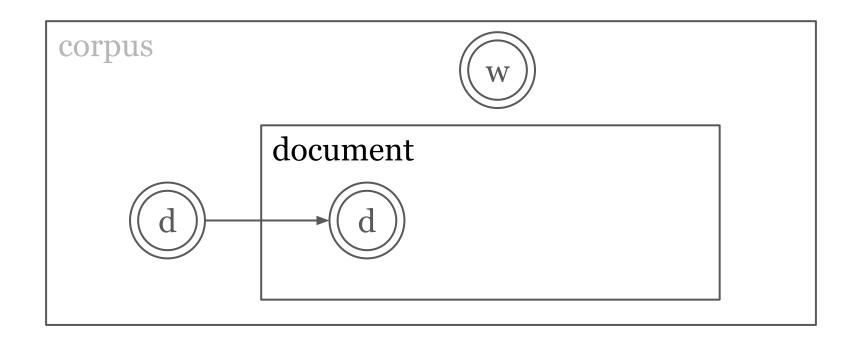
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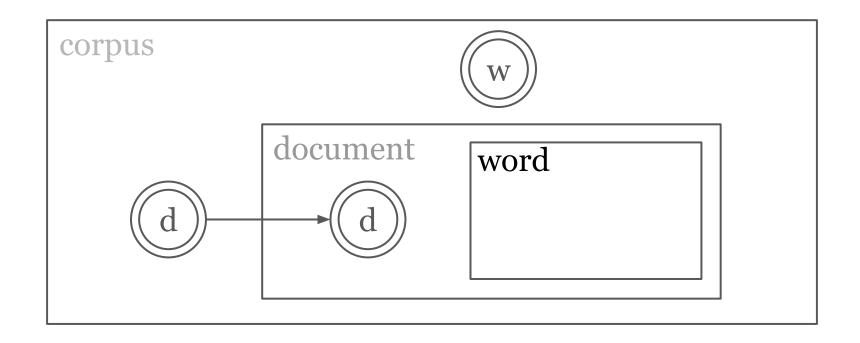
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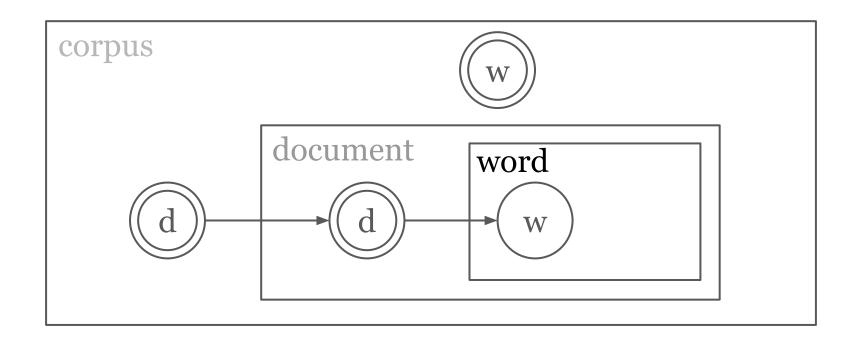
corpus

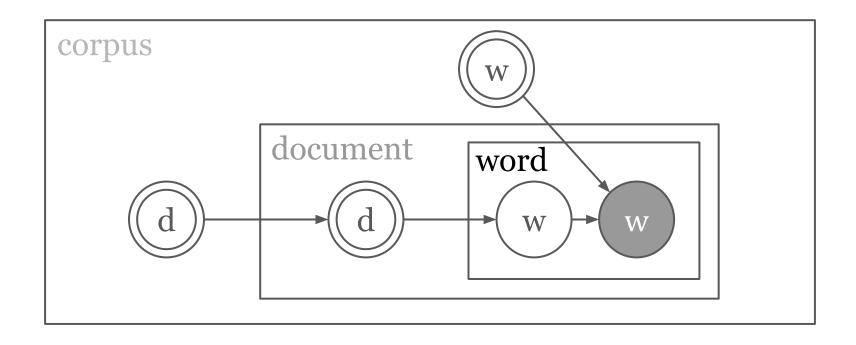












Deterministic

Stochastic

NMF

LDA

What is What might be

LDA

NMF

The specifics.

2,000 documents, lemmatized

2,000 documents, lemmatized Unigrams

2,000 documents, lemmatized Unigrams Bigrams

2,000 documents, lemmatized Unigrams Bigrams At least 3 documents

2,000 documents, lemmatized Unigrams Bigrams + At least 3 documents

4,300 unique tokens

12 topics*

12 topics*

*Some assembly required

food music art dance wine yoga

NMF LDA

artsy

NMF

LDA

yoga artist practice cup respectful earth mother

hippies

anywhere found locate bar restaurant bustle

?

Outdoorsy

Outdoorsy

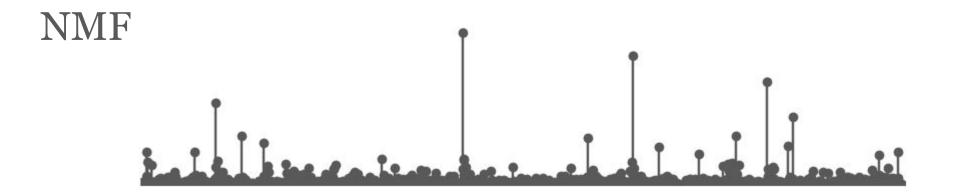
NMF

hike hike outdoors bike ski art bike play music sport ski camp run camp **NMF** LDA

hike outdoors ski bike sport camp run

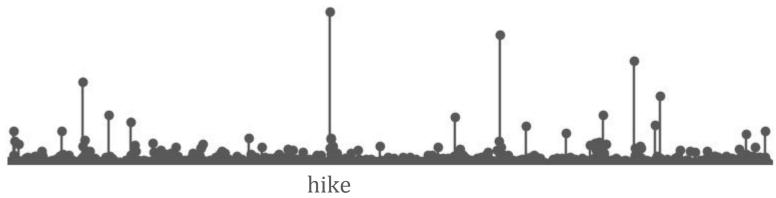
NMF

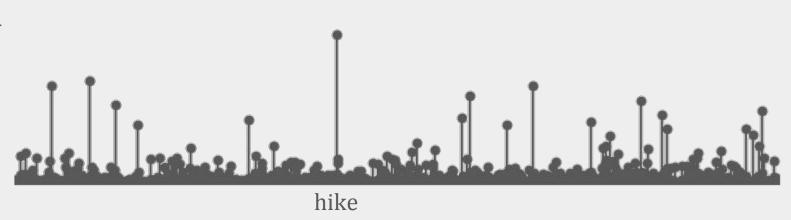
hike bike art play music ski camp



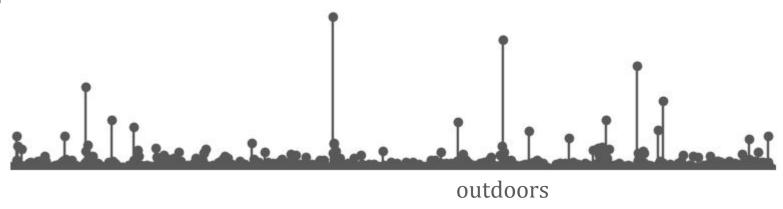




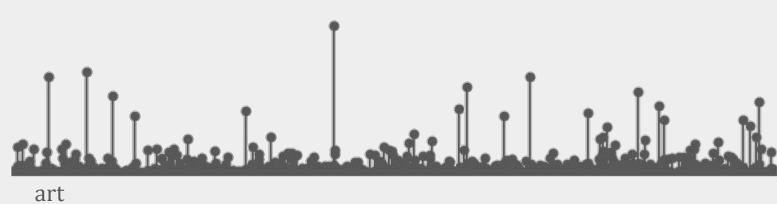












Professional

Professional

NMF

young professional business meeting company working technology

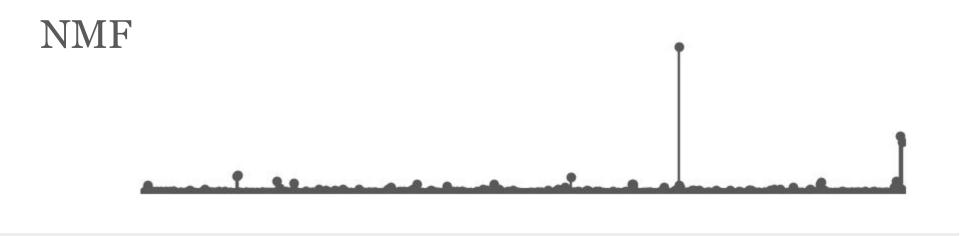
young professional northwest business trail beauty **Puget Sound**

NMF

young professional business meeting company working technology

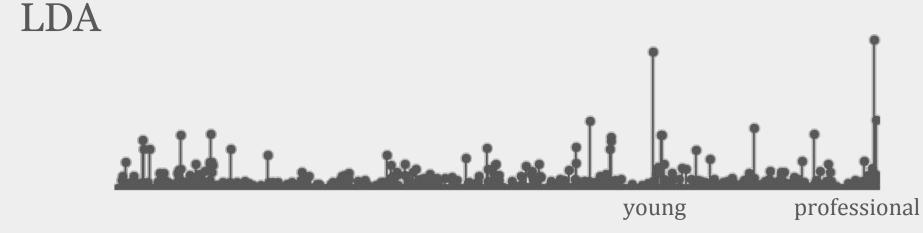
young professional northwest business trail beauty **Puget Sound**

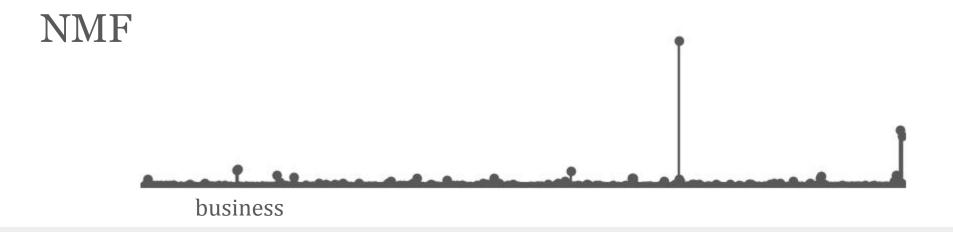
NMF



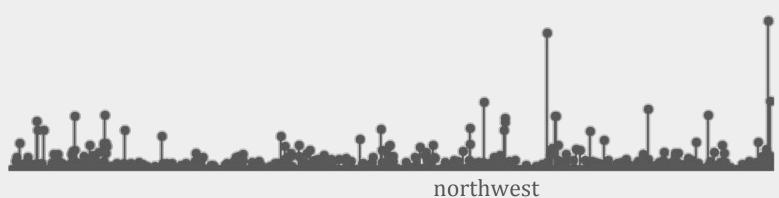




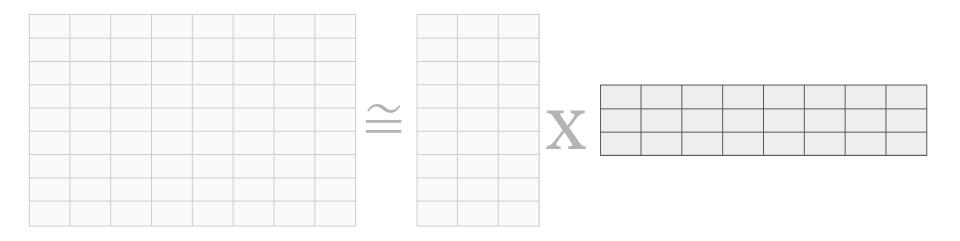








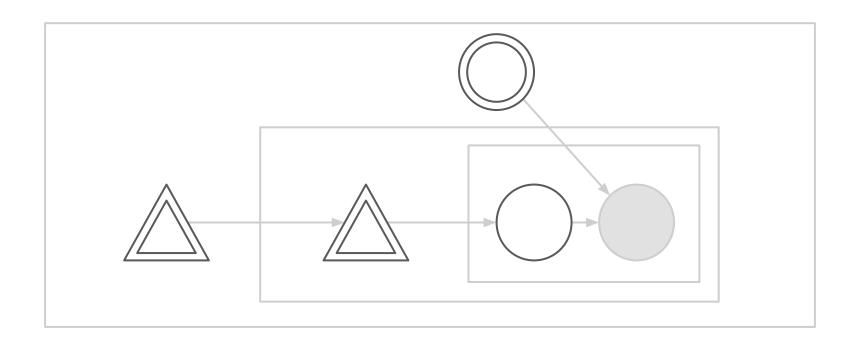
Let's find a host.



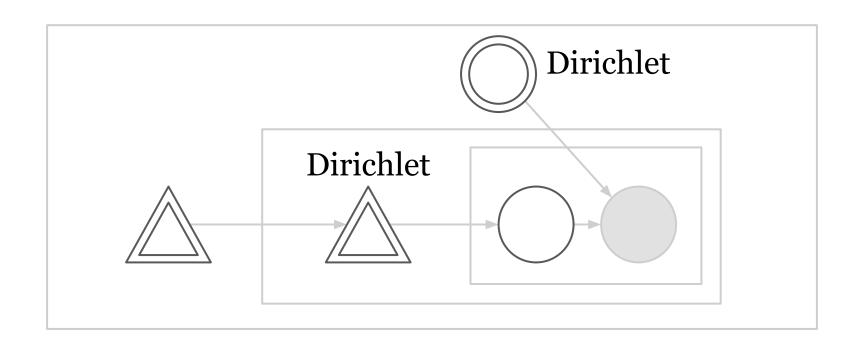
Word-document matrix

Word-feature matrix

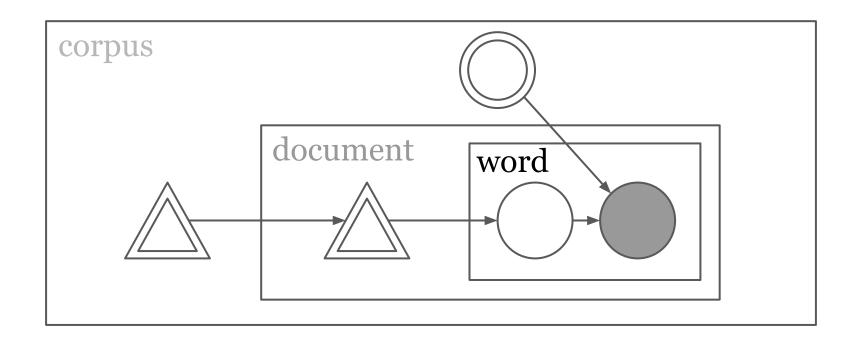
Feature-document matrix



Latent Dirichlet Allocation



Latent Dirichlet Allocation



Latent Dirichlet Allocation

apartment beer veterinarian Puerto Rico St John alive

Apartment dwelling vets who like beer and tropical vacations

Capitol Hill

Capitol Hill

NMF

Capitol Hill neighborhood apartment favorite area

art food friend read Capitol Hill

NMF

