

Laboratorio de datos

ANÁLISIS DE SUEÑOS

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LOS DATOS

- 14 archivos en formato pickle con relatos de sueños de www.dreamjournal.net
- 124375 filas en el archivo original, encaramos el análisis con 123723 filas
- Columnas originales: id, user, url, text, raices, rating, cohesion, lucidity, intent y technique
- Palabras y términos totales (con repeticiones) 38882980
- Lemmatize y tokenization, recalculamos las raíces con `wordnet_lemmatizer`

New apartment; it's bad

Rating ★★★★★ Cohesion ★★★★★ Lucidity ★★★★★ Lucid Intent ✖

Thursday, March 10 2011 Views: 1161

I was living in a new apartment complex. I had just moved in, so I wasn't used to the layout of the place yet. I had a small apartment; probably a studio since I didn't see any entrances to a bedroom.

My door had two locks on it. They were unusual. One was like a dead bolt, except it didn't go in the frame. It rested against the back of the frame at an angle. The lock was a small, angled piece of metal. The second lock was a piece of wood that looked like half a plane propeller. I didn't understand how that worked at all, so I just rested it against the other lock.

My apartment was the second door after a corner on one building. I walked by a pool to get to it. The pool was disgusting, but people were swimming in it. The water was opaque and had green and yellow tints to it. There was something in an L-bend of the pool. I studied it but couldn't figure out what it was. Someone told me it was a Volkswagen car. I put on some goggles and jumped in. Even though the water was dirty, I could see underwater.

The car was in three parts. The front where the engine was, was one part. The back was another, and the sun roof was the third. The engine part was in the middle, and the other parts flanked it. I got out of the gross water and took a deep breath.

I called the police about the state of the pool. Two officers showed up, and I pointed out the car to one of them. I thought they would be able to help with the pool.

Then I tried to find my apartment. I was by the wrong building and couldn't find the corner I needed to take. I passed by some people who saw the confused look on my face. One person looked like Omar from "The Wire." He pointed me in a direction, though I don't think it helped. I tried to find my place by reading the numbers. I wasn't too far. I wished I had noticed what building number I was in.

I finally found my apartment. The door was open, and the blinds were turned to reveal what was inside. My place had been ransacked. I realized that I didn't lock the door. My TV was gone, and so was my stereo. My computer was still there. I was really upset and angry at myself. Then I figured out that it was just a dream, so I could just go back in time and get my TV and stereo back.

Additional Comments:

This is the most lucid I've been in a dream in a long time. I woke up after realizing it was a dream, but it wasn't instantly afterward, like usual.

Themes	Settings	Characters	Emotions	Activities
Authority	Indoors	Unfamiliar	Anxiety	Movement
Failure	Outdoors	Celebrity	Worry	Auditory
Dramatic	Unfamiliar	Imaginary	Confusion	Physical
Loss				Searching
				Thinking
				Visual

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				Thinking
				Visual

¿QUÉ SUEÑAN?

¿QUÉ PREFIEREN LOS DEMÁS?

¿SE PUEDEN
CLASIFICAR LAS
MÉTRICAS?

¿QUÉ SUEÑAN?



TÓPICOS

Tópico 0

even life seem large real though time morning sort also

Tópico 1

car driver truck road stop parking drive seat park street

Tópico 2

would know thing guy friend remember something want girl really

Tópico 3

start open bed door around woman room run walk man

Tópico 4

felt recall since mom try something think around want

Tópico 5

school friend teacher classroom high class student walk bus

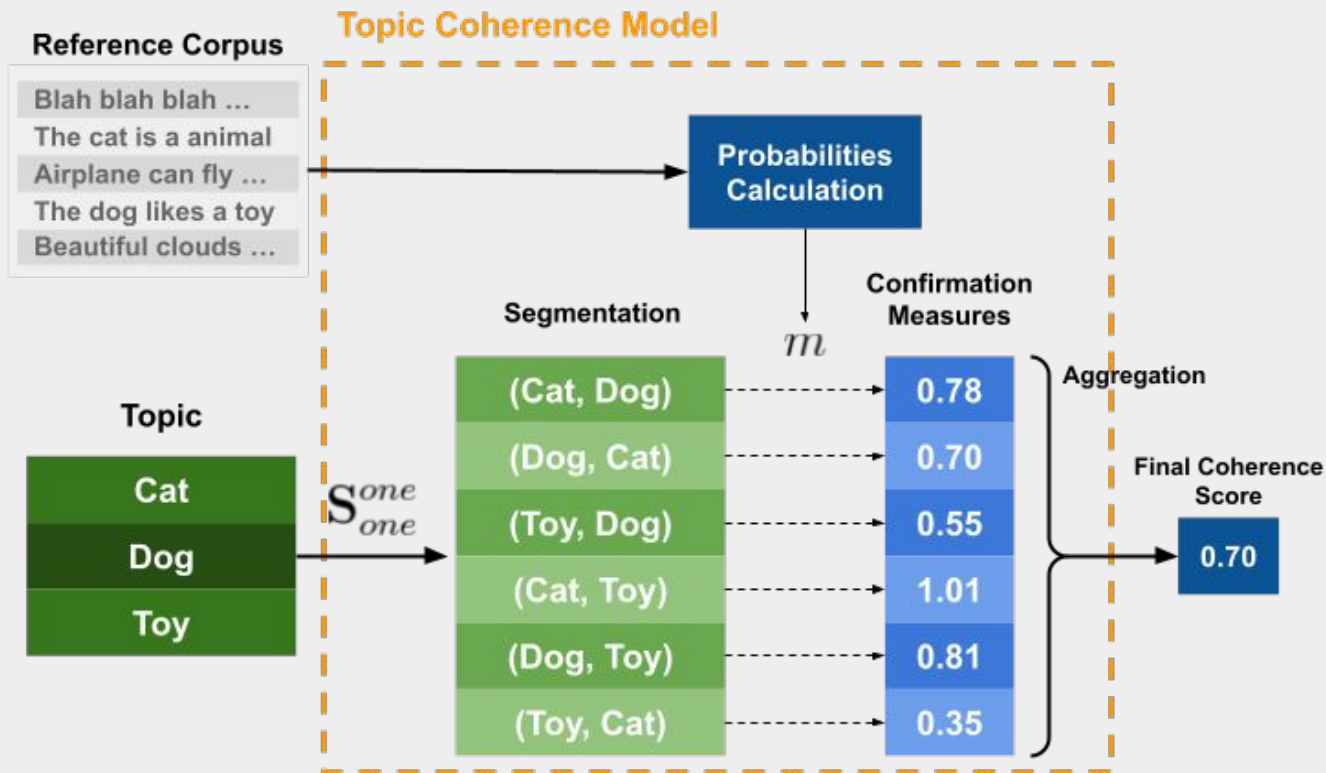
Tópico 6

lake river water wave fish swim pool ocean beach boat

Tópico 7

family live dog sister home mom old dad brother house

COHERENCIA EN LOS TOPICOS



Tópico 0
also seem timesort though even life real

Tópico 1
drive street stop car seat driver road park parking

Tópico 2
guys something would remember really girl thing friend want know

Tópico 3
room door run walk around woman start bed

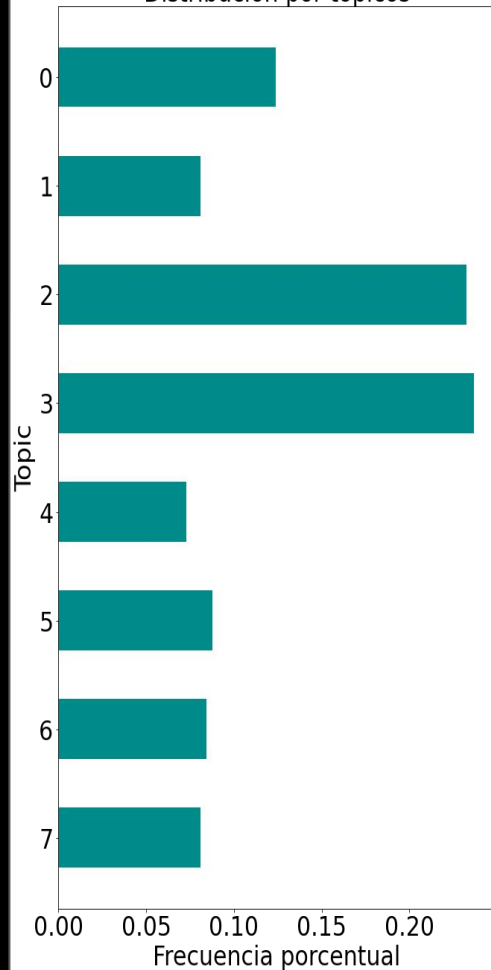
Tópico 4
think recall around

Tópico 5
bus friend student walk school high teacher class classroom

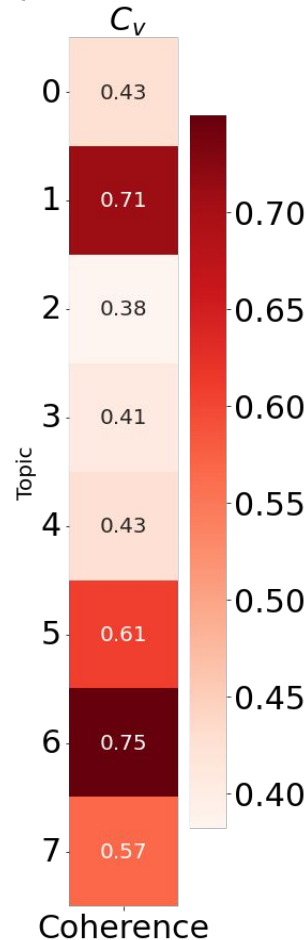
Tópico 6
ocean beach water wave fish swim river boat pool lake

Tópico 7
old sister family home house dog mom dad brother live

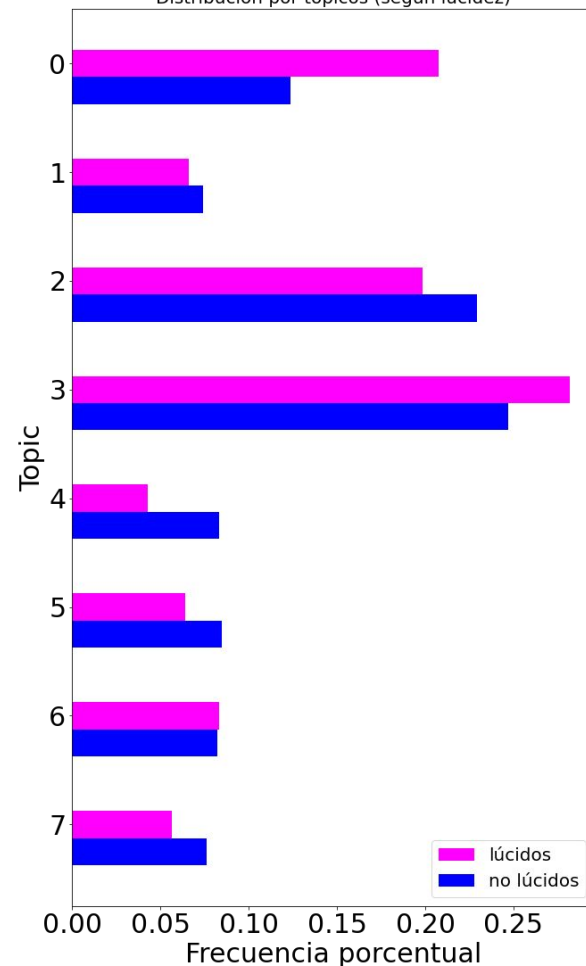
Distribución por tópicos



Topics coherence

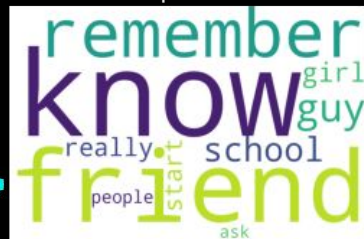


Distribución por tópicos (según lucidez)



¿SOBRE QUÉ SUEÑAN LÚCIDAMENTE?

Tópico 0



Tópico 1



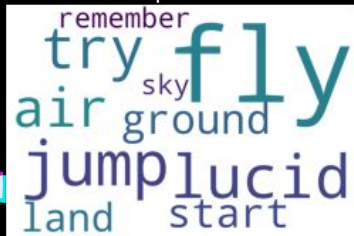
Tópico 2



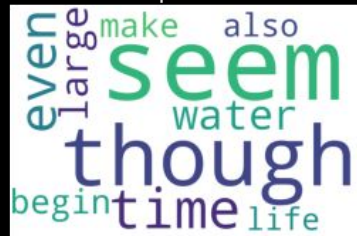
Tópico 3



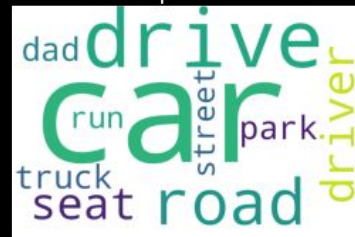
Tópico 4



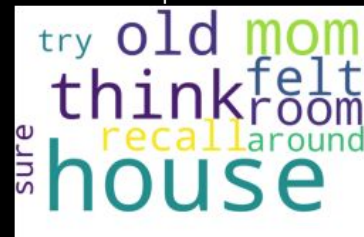
Tópico 5



Tópico 6

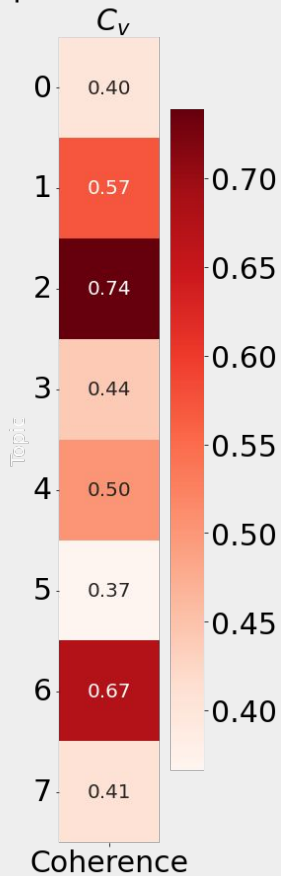


Tópico 7





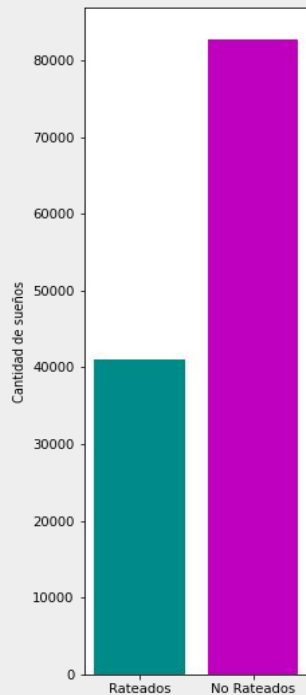
Topics coherence



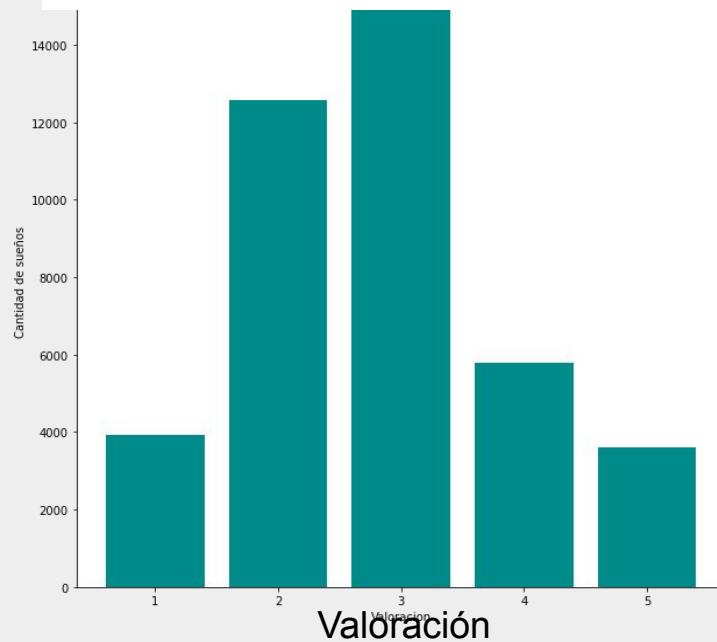
¿QUÉ PREFIEREN LOS DEMÁS?

- ¿Sueños lúcidos?
- ¿Sueños coherentes?
- ¿Sueños de algún usuario específico?

¿QUÉ PREFIEREN LOS DEMÁS?

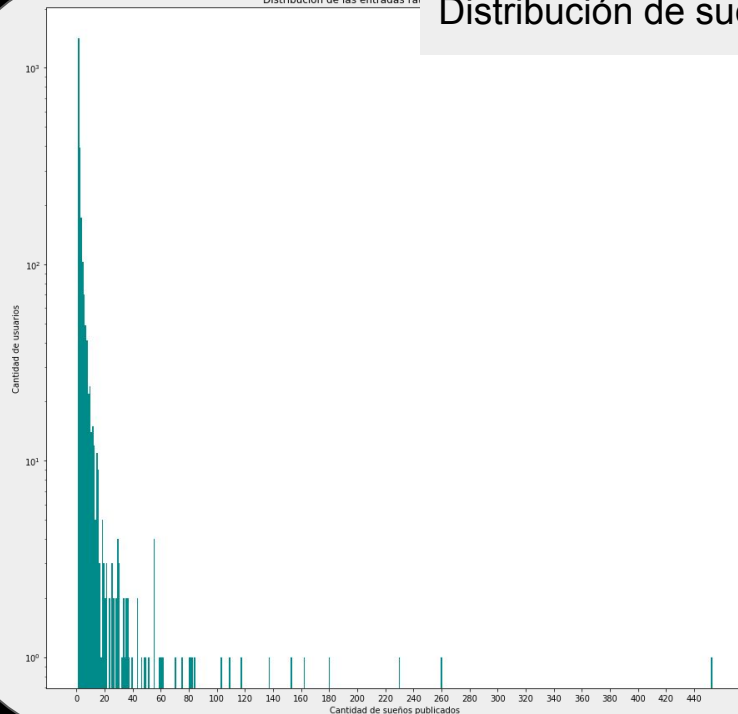


Distribución de los sueños rateados



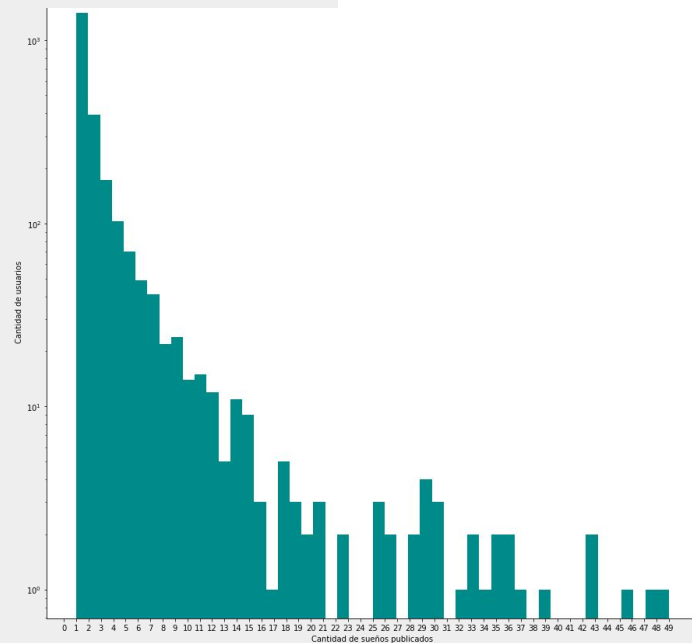
¿QUÉ PREFIEREN LOS DEMÁS?

Distribucion de las entradas rat



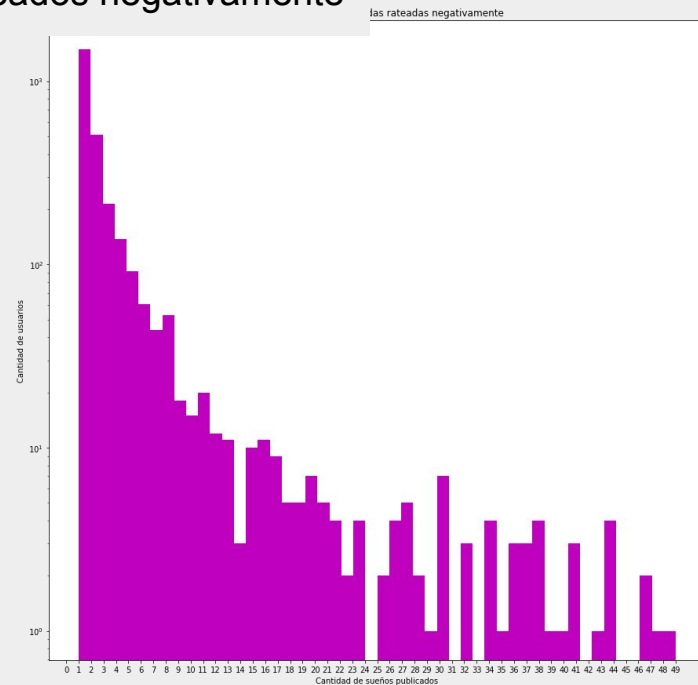
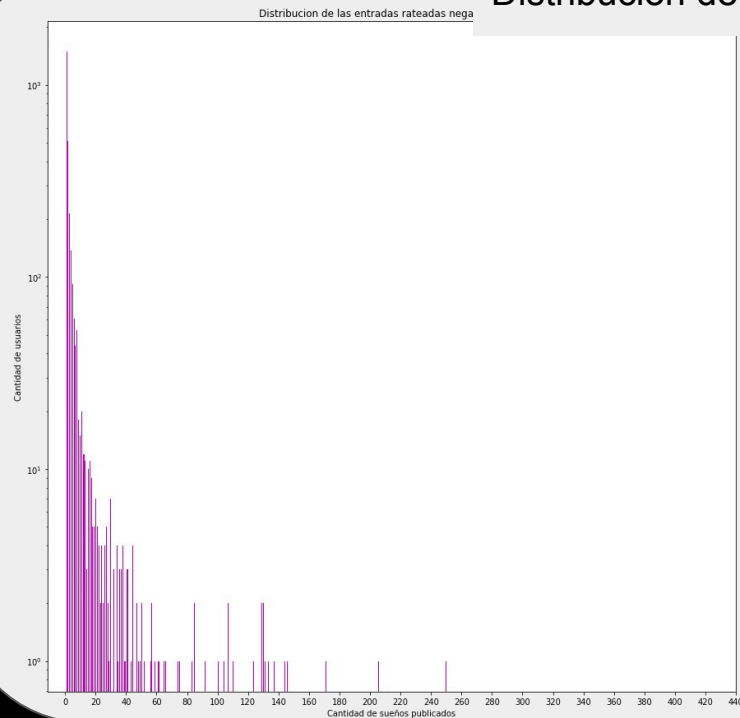
Distribución de sueños rateados positivamente

entradas rateadas positivamente

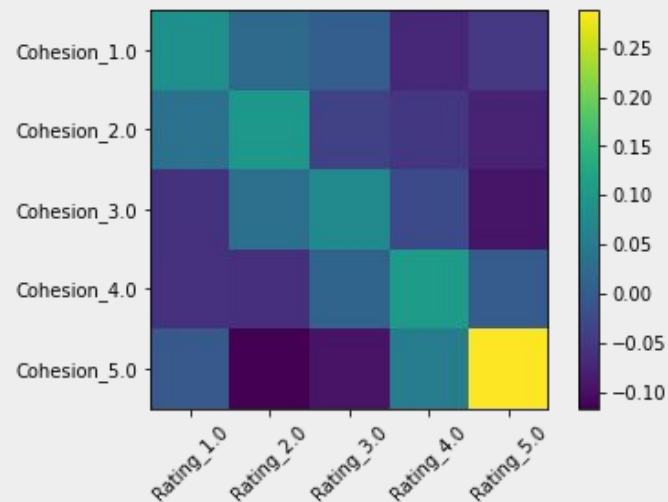
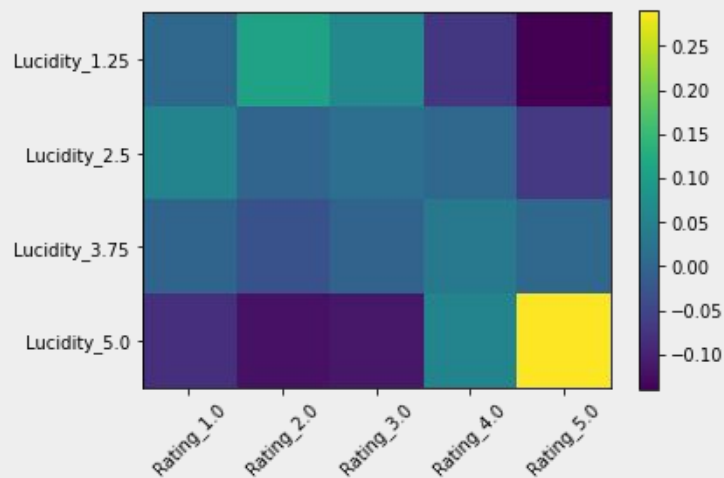


¿QUÉ PREFIEREN LOS DEMÁS?

Distribución de sueños rateados negativamente



¿QUÉ PREFIEREN LOS DEMÁS?

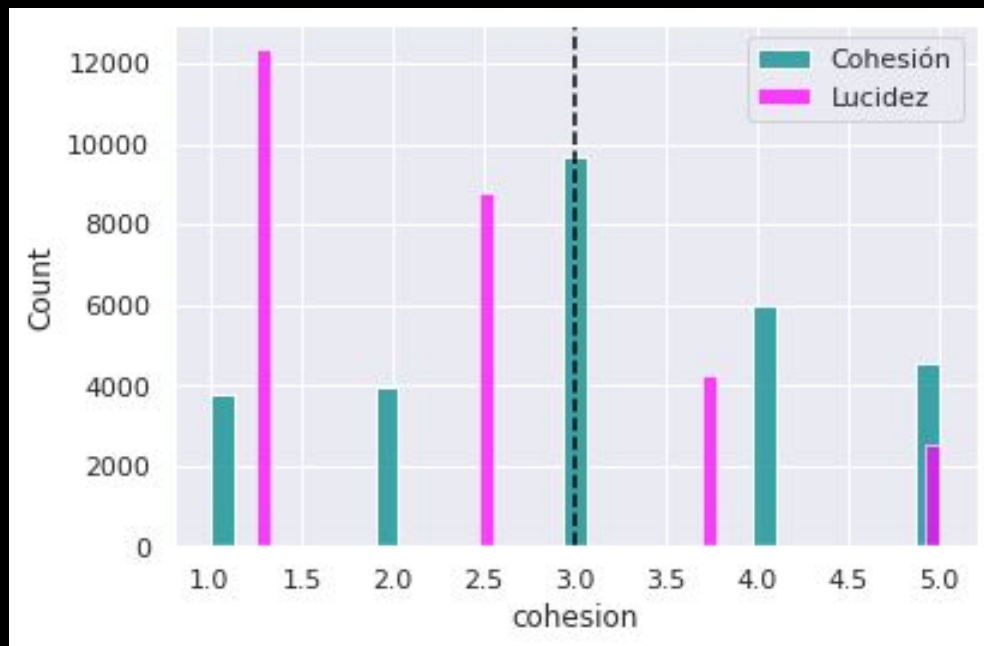


¿QUÉ PREFIEREN LOS DEMÁS?



AUC
Train 0.66 Test 0.80

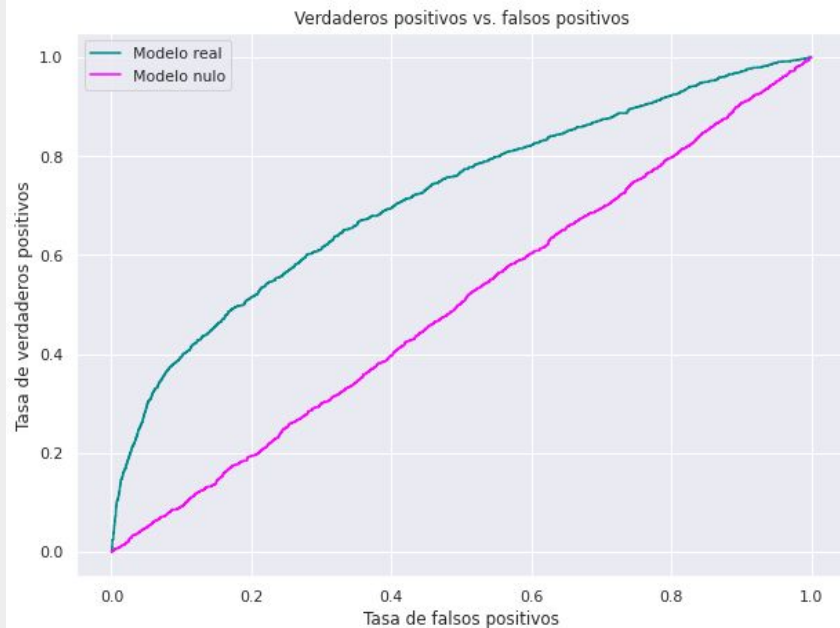
CLASIFICACIÓN



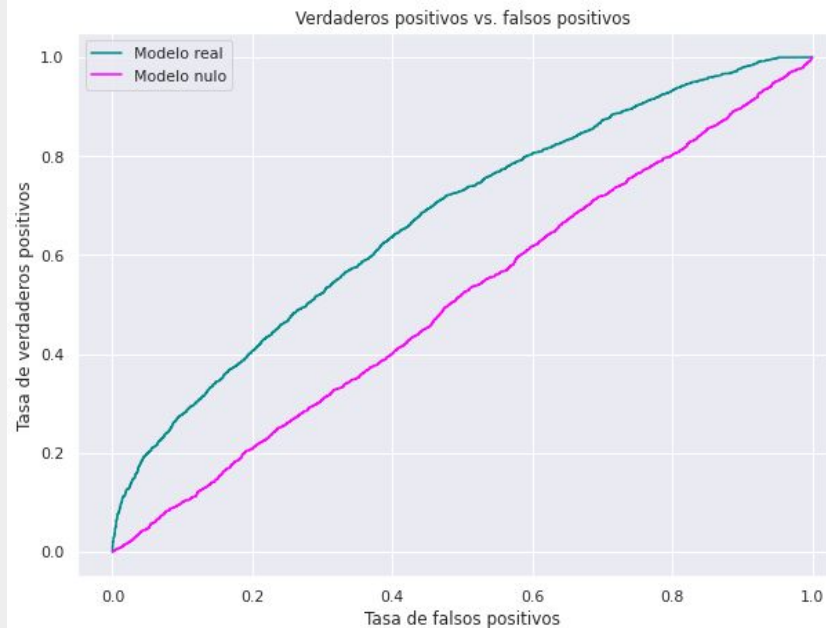
- Paragraph Vector (Doc2Vec)
Representación de documentos como vectores de longitud fija y dimensión reducida.
- Regresión logística binaria



AUC
Train 0.76 Test 0.71



CONESIÓN



LUCIDEZ

AUC
Train 0.73 Test 0.67

CONCLUSIONES

- Las predicciones lograron un AUC de test razonable y superior al modelo nulo utilizando únicamente features de entrenamiento provenientes del relato del sueño.
- Considerar la dimensión del modelo y la capacidad de cómputo (tiempo y espacio).
- Pudimos explorar, aunque seleccionamos un subconjunto, prácticamente todas las clases de Procesamiento de Lenguaje Natural.

BONUS TRACK

¿SUEÑA
RIVERITO CON
OVEJAS
ELÉCTRICAS?

LA QUINIELA

- Descargamos los sorteos de Quiniela Nacional desde mayo de 2014 del sitio www.quinielaenvivo.com.ar

Sorteos del día viernes, 02 de mayo de 2014

LA PRIMERA, Quiniela Nacional. 02/05/2014

Cabeza: 6210 - La leche (ver sueños...)

1	6210	6	5951	11	2596	16	5615
2	3128	7	6485	12	1804	17	3612
3	8618	8	0563	13	9812	18	6323
4	0661	9	0832	14	2435	19	4964
5	4698	10	8599	15	2833	20	5520

Letras
I G J P

MATUTINA, Quiniela Nacional. 02/05/2014

Cabeza: 7274 - Negros (ver sueños...)

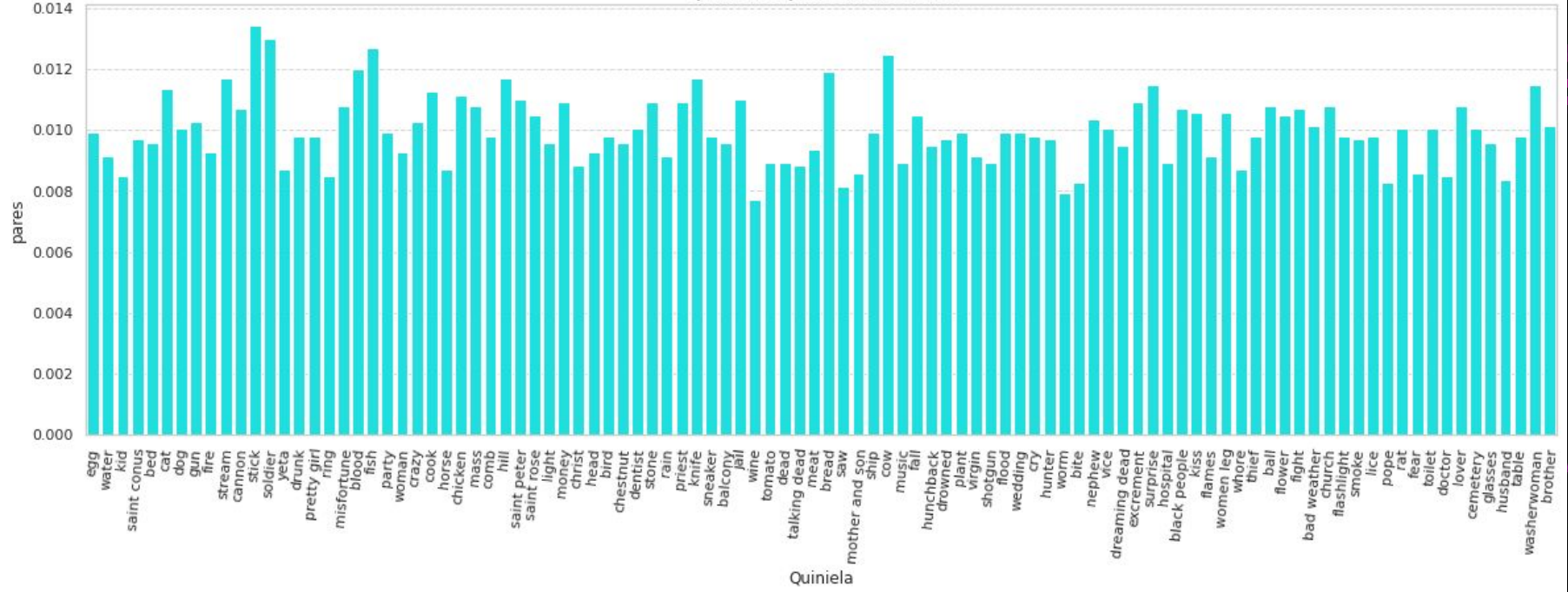
1	7274	6	4080	11	3241	16	3957
2	5688	7	4453	12	2140	17	3378
3	6321	8	1369	13	1858	18	0089
4	5103	9	4931	14	0243	19	2693
5	3623	10	4791	15	4247	20	3560

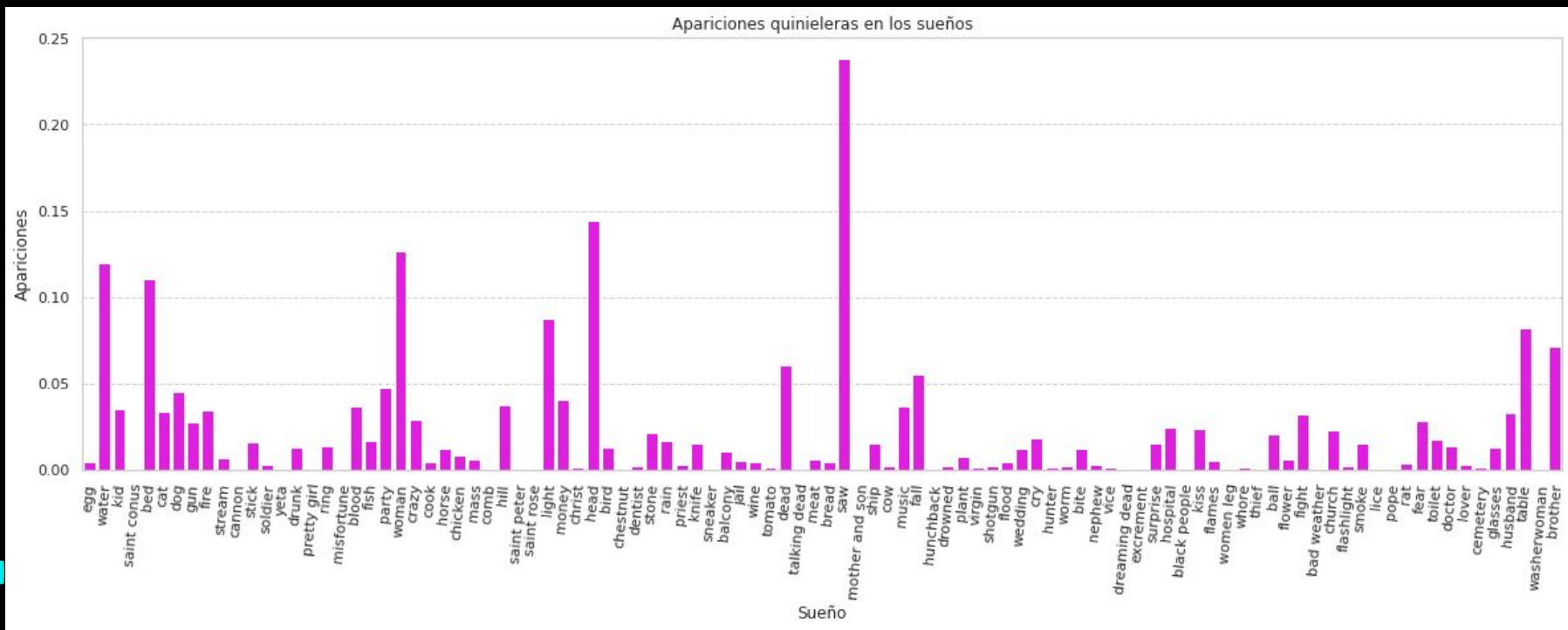
Letras
I D N N

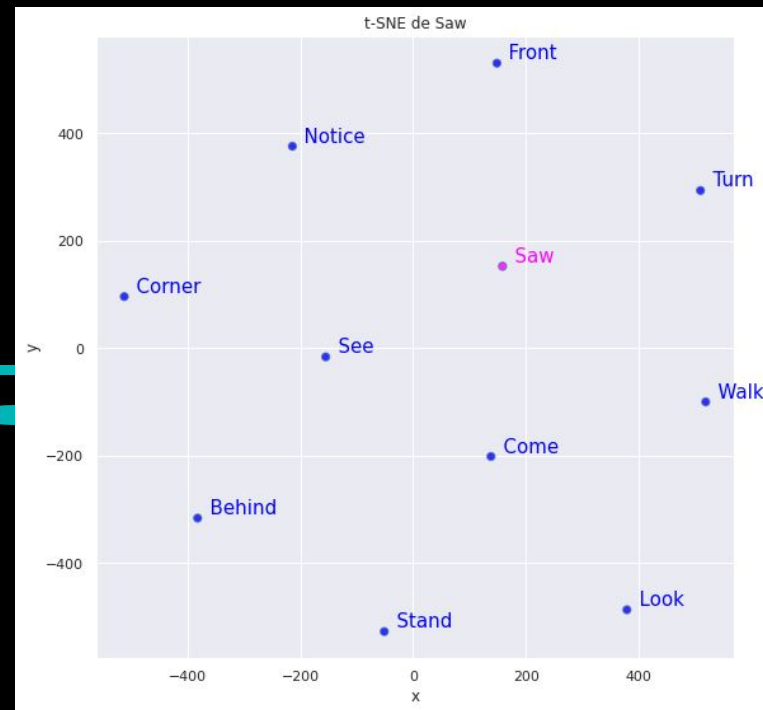
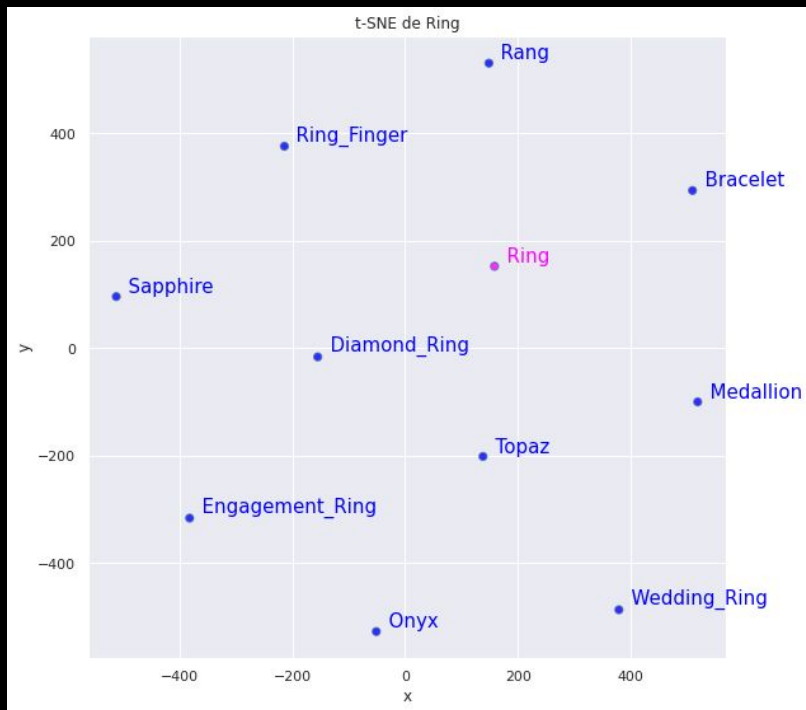
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count	9070	9070	9070	9070	9070
unique	5	2318	5934	100	100
top	LA PRIMERA	11/05/2022	8117	11	Palito
freq	2280	5	7	122	122



Apariciones quinieleras de sueños







PRÓXIMOS PASOS

- Profundizar en el uso de los tópicos y los algoritmos como w2v para perfeccionar los modelos de predicción.
- Sumar análisis de sentimientos.
- Buscar nuevas estrategias para gestionar volúmenes de datos que requieren alta capacidad de cómputo.
- Seguir buscando el secreto para ganar la quiniela



Gracias