





Issue1)

I seemingly have some mistakes on HW3. You haven't left any comment, though, despite having access.

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Issue2)

Please share the best student's notebooks of HW3 and HW4. (for learning purposes)

Issue3) I believe Quiz4/question2 is wrong.

سؤال 2
نادرست
نمره 0.00 از 1.00
۳ علامت زدن
سؤال

عبارت‌های زیر را در نظر بگیرید و مشخص کنید کدام نوع
پیش‌پردازش باعث تبدیل عبارت اول به عبارت دوم شده است.
عبارت اول: در پردازش زبان طبیعی هدف درک زبان انسان‌ها توسط
ماشین‌ها است.
عبارت دوم: پردازش زبان طبیعی هدف درک زبان انسان ماشین

× a. ☒ stopwords removal و tokenization

b. ☐ tokenization و normalization

c. ☐ stemming و stopwords removal

d. ☐ normalization و stemming

پاسخ شما صحیح نیست
پاسخ درست «
stopwords removal و stemming» است.

This is stemming result:

```
['توسط', 'انسان', 'زب', 'درک', 'هدف', 'طبیعی', 'زب', 'پرداز', 'در',  
['.', 'است', 'ماشین']
```

The correct answer is “ Lemmatization + Stop removal. “

The closest item to the correct answer is what I have chosen in the above picture.

More detail: Prof. Momtazi’s video lectures

Issue4)

Can I report results with Sklearn lib?

```
[74] bilstm_yhat = q2_model.predict(x_holdout)
bilstm_yhat = np rint(bilstm_yhat)

[75] from sklearn.metrics import classification_report
print(classification_report(y_holdout, bilstm_yhat))
```

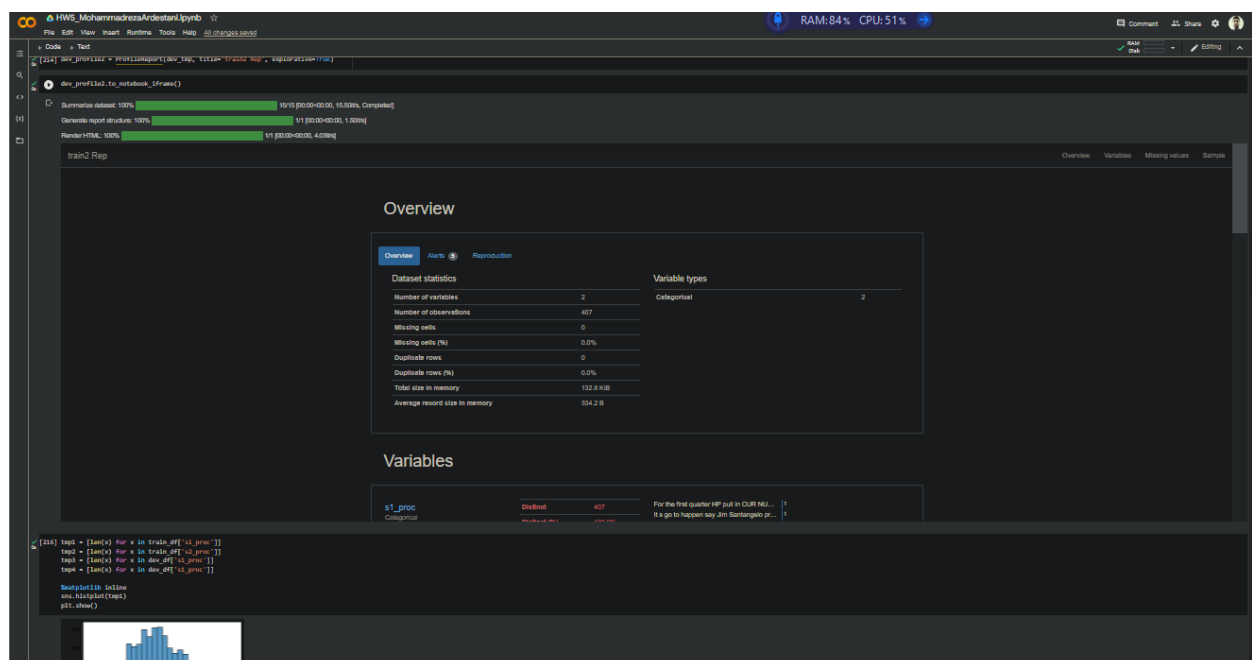
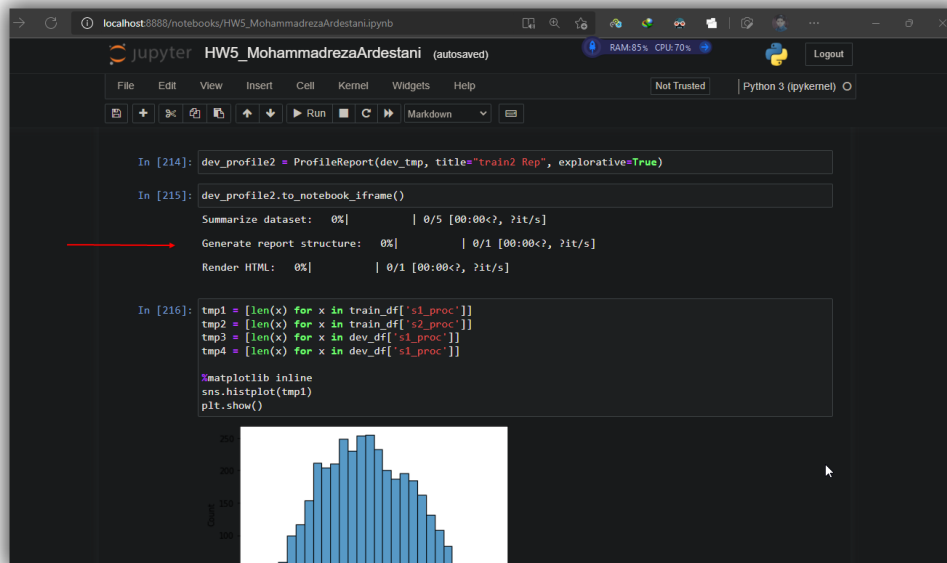
	precision	recall	f1-score	support
0	0.59	0.31	0.40	578
1	0.72	0.89	0.80	1147
accuracy			0.70	1725
macro avg	0.65	0.60	0.60	1725
weighted avg	0.67	0.70	0.66	1725

Q3

WOULD THIS SUFFICE?

Issue5)

As you know, in machine learning we have an EDA step. I used EDA for parameter tuning but the result does not appear on the downloaded notebook. You need to view my pandas' profiling results in the google Colab shared notebook.

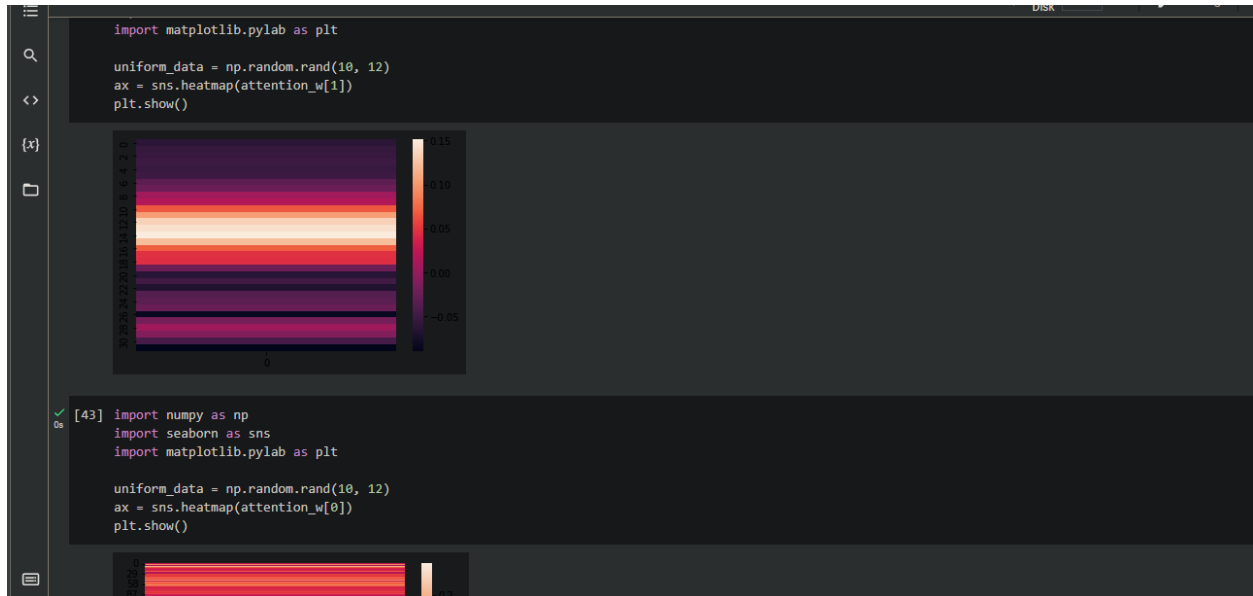


Issue6)

Can we use Gensim lib for finding a skip-gram based embedding model? Or we gotta build from scratch?

Issue7)

Attention weights visualization only for the Bidirectional LSTM model, yeah? Or all models?



Issue8)

Please let us know if there is any hidden! question or requirements on HW5.

Thanks for all the time that you are putting into leading the class.