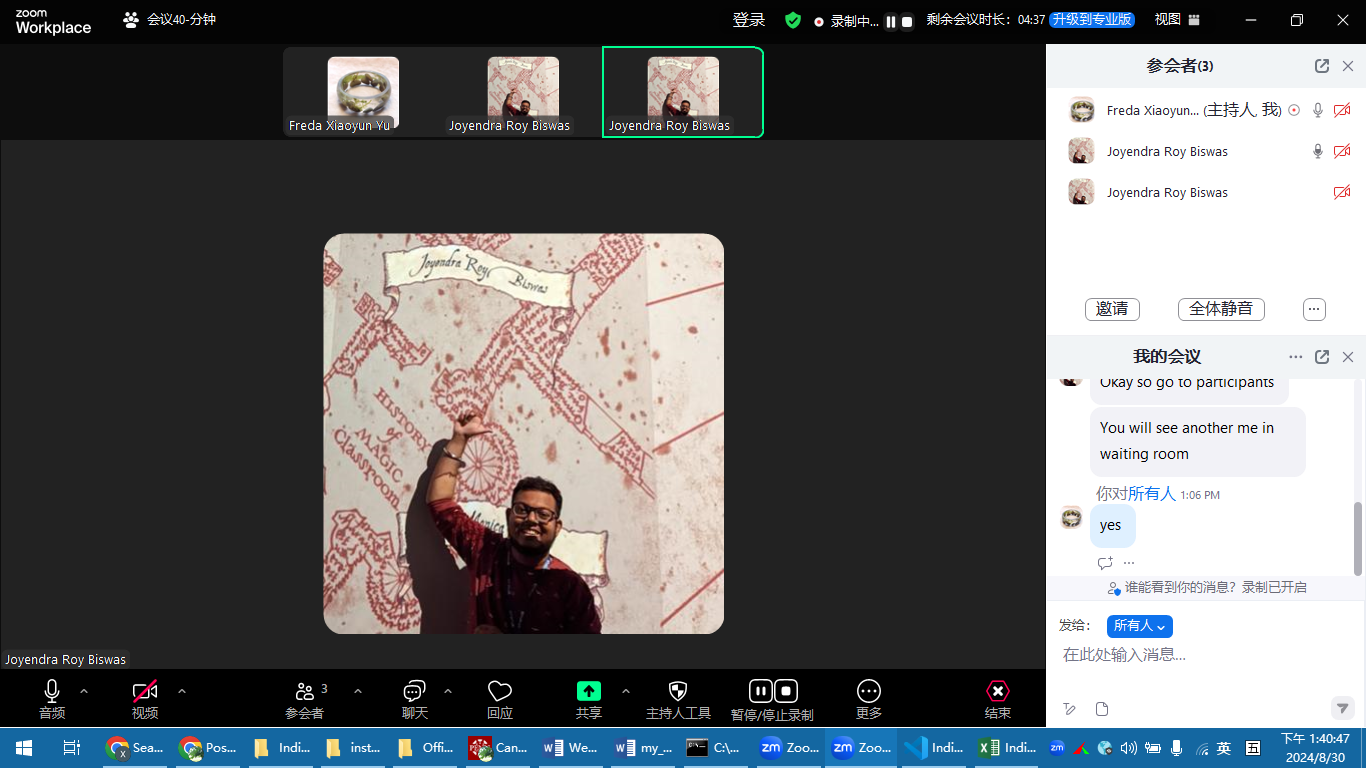
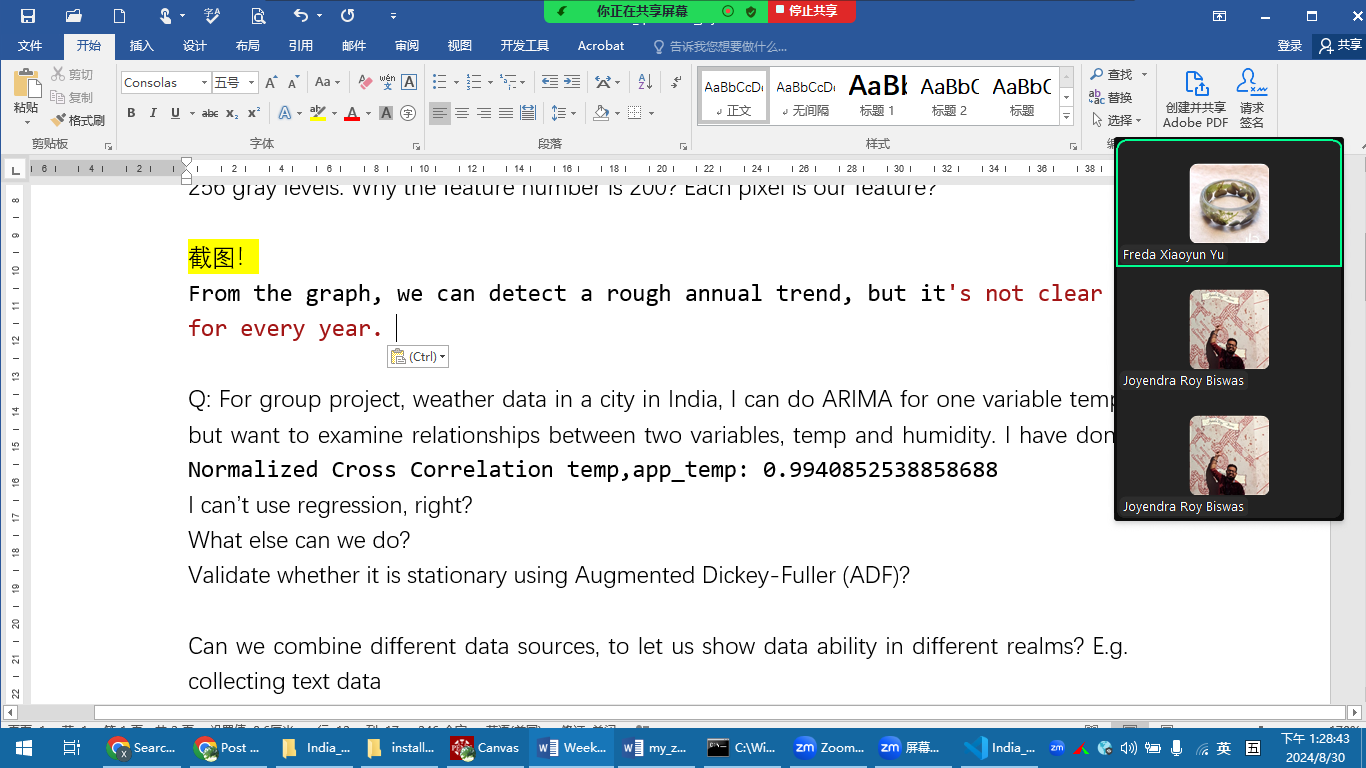
Aug 28, 2024 TA Office Hour

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| https://waitwhile.com/locations/pennengonline5450 |

My Zoom Meeting link:

<https://us04web.zoom.us/j/8522953077?pwd=ScnFL8ABvbJ1DobHrDSSzA28iqWMEn.1&omn=73700616641>





Q: For group project, weather data in a city in India, I can do ARIMA for one variable temp, but want to examine relationships between two variables, temp and humidity. I have done Normalized Cross Correlation temp,app\_temp: 0.9940852538858688

I can’t use regression, right?

What else can we do?

Validate whether it is stationary using Augmented Dickey-Fuller (ADF)? Yes, to gain marks.

Drawing graphs can add marks. Be sure to let plots readable, not messy. Separate messy plots into subplots.

Can we combine different data sources, to let us show data ability in different realms? E.g. collecting text data, according to seasons. Yes. For example, collect people’s comments in different seasons, see whether they are happy or not.

And then form a relational database, and build ER diagrams. Then form tables, and possibly transform it into normal forms? It’s ok.

Do we have to build a NN model for the project? I need some RNN...? to predict temp? Not need. RNN will not add marks for us.

Do we have to form one goal for the project, e.g. build a NN that can generate an accuracy score of higher than some value? Can it be exploring?

Teachers need us to get a reasonable accuracy score, like 0.75 or above.

Not need one goal, but suggest to be unified.

It’s key to find a meaningful problem, eg. Classification, correlation, ...

Will the scores be higher if they are not taught in course? No. E.g. build RNN, no. They appreciate if we stick to what are taught! Because teachers have rubric to mark.

Teachers want you to understand data, what you are doing

What we learn in this course are:

1. Acuiring data, show correlations using graphs
2. Feature engineering
3. Modelling. Maybe we use an NN, there is a baseline, we need to explain why or why not this NN is good or bad, need reasoning.