Download pandas json :
https://ai-process-sandy.s3.eu-west-1.amazonaws.com/purge/deviation.json

Context:

These are deviations of floor vs ceiling corners of one of our models with ground truth labels for the room name and number of corners in that room with predictions. Please create meaningful statistics of how well the model performed.

Gt_corners = ground truth number of corners in the room
Rb_corners = number of corners found by the model
Mean max min and all others are deviation values in degrees.

	name	gt_corners	rb_corners	mean	max	min	floor_mean	floor_max	floor_min	ceiling_mean	ceiling_max	ceiling_min
0	Schlafzimmer	4.0	4.0	3.956313	8.562939	0.274574	3.987864	8.562939	0.274574	3.924762	8.501885	0.331494
1	Küche	4.0	4.0	23.019122	52.605437	0.724299	1.253103	1.897612	0.724299	44.785141	52.605437	36.880814
2	Bathroom	4.0	4.0	1.013833	1.950322	0.301673	0.659138	1.318714	0.301673	1.368528	1.950322	0.878106
3	Lounge/Diner	8.0	8.0	3.832620	18.236935	0.173307	3.600083	15.041431	0.173307	4.065157	18.236935	0.253457
4	Essbereich	4.0	4.0	8.017758	15.642853	0.762948	7.819446	15.399635	0.762948	8.216069	15.642853	0.909029

Create project in idea, pycharm or vscode

Create requirements.txt and virtual env

Create class for drawing plots

Create function “draw_plots”
→ reads json file passed as parameter as a pandas dataframe
→ draws plot for comparing different columns
→ saves plots in a folder called “plots”
→ returns paths to all plots

Create jupyter notebook called Notebook.ipynb in the root directory to call and visualize our plots

Publish the project on github

Email us with link to your project

Nb if something is not clear do not hesitate to ask