	Related Documents (folder/file_name)	Note

Problem description	-Problem description: /README.md
	
	-Using the solution:
	   /documentation/using_xxx.pdf files
	-See also the
	   /notebooks/nb4_best_model
	   /local_service/local-test.ipynb
	   /web_service/cloud-test.ipynb	

EDA	/notebooks/nb1_eda.ipynb/ /notebooks/nb2_feature.ipynb	There isn't missing value since the dataset is is a synthetic one as described in README.md
Model training	/notebooks/nb3_modeling	-7 models are trained - Performance of each model assessed with RMSE and r2_score - Hyperparameter tuning of each model are tuned using GridSearchCV in which 10-fold validation is applied - Since GridSearchCV doesn't work with MultiOutputRegressor, parameter tuning of XGBoost is conducted with a simple function
Exporting notebook to script	/notebooks/nb4_bestmodel.ipynb /local_service/train.py	
Model deployment	/local_service/predict.py /local_service/predict-test.py /local_service/predict-test.ipynb	
Dependency and enviroment management	/Pipfile /Pipfile.lock /documentation/Using_Pipfile_and_Dockerfile.pdf	-Pipenv is used. -It's usage is defined in: /documentation/Using_Pipfile_and_Dockerfile.pdf
Containerization	/local_service/Dockerfile	-It's usage is defined in: /documentation/Using_Pipfile_and_Dockerfile.pdf
Cloud deployment	/web_service/flask_app.py /web_service/cloud-test.ipynb /web_service/cloud-test.py	-The app is deployed to pythonanywhere.com and served to public. -How to reach it is explaind in: /documentation/Using_web_service A video is not recorded since the service is already up and running