

Which points have been done where?

	Minimum requirements	slides	notebooks
1	Data collection using both, Web Scraping and a Web API.	Collection & scraping: 5 API: 51	
2	Data preparation (e.g. remove missing values and duplicates, create new variables, enrich the data with open data).	6 - 14	Autos_Datenaufbereitung.ipynb, Ladestellen_Datenaufbereitung.ipynb, Solarpotentiale_Datenaufbereitung.ipynb
3	Data storage in a database like sqlite or MySQL	37	Openroutservices_MySQL.ipynb
4	Non-graphical and graphical exploratory data analysis (EDA)	19 – 29 & 33-36	Datenanalyse.ipynb
5	Use of either regression or classification as the modelling method	39 – 41	Models.ipynb
6	Model evaluation using suitable measures of fit	40, 43 & 47	Models.ipynb
7	Correct interpretation of model results and measures of fit	40, 43, 45 & 47	Models.ipynb

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	Additional points	slide	Notebook
1	Creativity of implementation	51-55	Openroutservices_MySQL.ipynb
2	Use of a MySQL database for data storage and SQL-queries from within Python	56	Openroutservices_MySQL.ipynb
3	Integration and visualization of geographical data.	15 -18	Ladestellen_Datenaufbereitung.ipynb, Solarpotentiale_Datenaufbereitung.ipynb
4	Use of a statistical test for the analysis of contingency tables or analysis of variance (ANOVA)	31 - 34	Anova.ipynb
5	Use of k-means clustering in addition to the regression or classification model	48 - 50	Cluster.ipynb