

DA task, Students

helper_functions	10%	3%	3%	2%	<1%	<1%	<1%		
load_data	<1%	<1%	3%	2%	<1%	<1%	<1%		
data_exploration	4%	1%	18%	13%	<1%	<1%	<1%		
data_preprocessing	3%	1%	14%	15%	<1%	<1%	<1%		
result_visualization	<1%	<1%	2%	<1%	1%	<1%	<1%		
save_results	<1%	<1%	<1%	<1%	<1%	<1%	<1%		
modelling	<1%	<1%	<1%	<1%	<1%	<1%	<1%		
evaluation									
prediction									

DA task, Professionals

helper_functions	8%	3%	8%	3%	<1%	<1%			
load_data	<1%	<1%	2%	2%	<1%	<1%			
data_exploration	9%	<1%	22%	9%	2%	<1%			
data_preprocessing	3%	1%	11%	10%	<1%	<1%			
result_visualization	<1%	<1%	3%	<1%	<1%	<1%			
save_results	<1%	<1%	<1%	<1%	<1%	<1%			
modelling									
evaluation									
prediction									

ML task, Students

helper_functions	12%	6%	3%	3%	<1%	<1%	2%		<1%
load_data	3%	<1%	4%	6%	<1%	<1%	<1%		<1%
data_exploration	4%	2%	4%	6%	<1%	<1%	<1%		2%
data_preprocessing	4%	3%	5%	11%	<1%	<1%	3%		<1%
result_visualization	<1%	<1%	<1%	<1%	<1%	<1%	1%		<1%
save_results	<1%	<1%	<1%	<1%	<1%	<1%	<1%		<1%
modelling	2%	1%	1%	1%	<1%	<1%	2%		1%
evaluation									
prediction	<1%	<1%	<1%	<1%	<1%	<1%	<1%		<1%

helper_functions
load_data
data_exploration
data_preprocessing
result_visualization
save_results
modelling
evaluation
prediction

ML task, Professionals

helper_functions	5%	2%	6%	3%	<1%	<1%	2%	<1%	2%
load_data	1%	<1%	1%	<1%	<1%	<1%	<1%	<1%	<1%
data_exploration	6%	<1%	8%	3%	<1%	<1%	3%	<1%	<1%
data_preprocessing	5%	<1%	3%	6%	<1%	<1%	3%	<1%	<1%
result_visualization	<1%	<1%	1%	<1%	<1%	<1%	<1%	<1%	<1%
save_results	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
modelling	<1%	<1%	<1%	2%	<1%	<1%	8%	<1%	8%
evaluation	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
prediction	2%	<1%	2%	3%	<1%	<1%	5%	<1%	3%

helper_functions
load_data
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save_results
modelling
evaluation
prediction