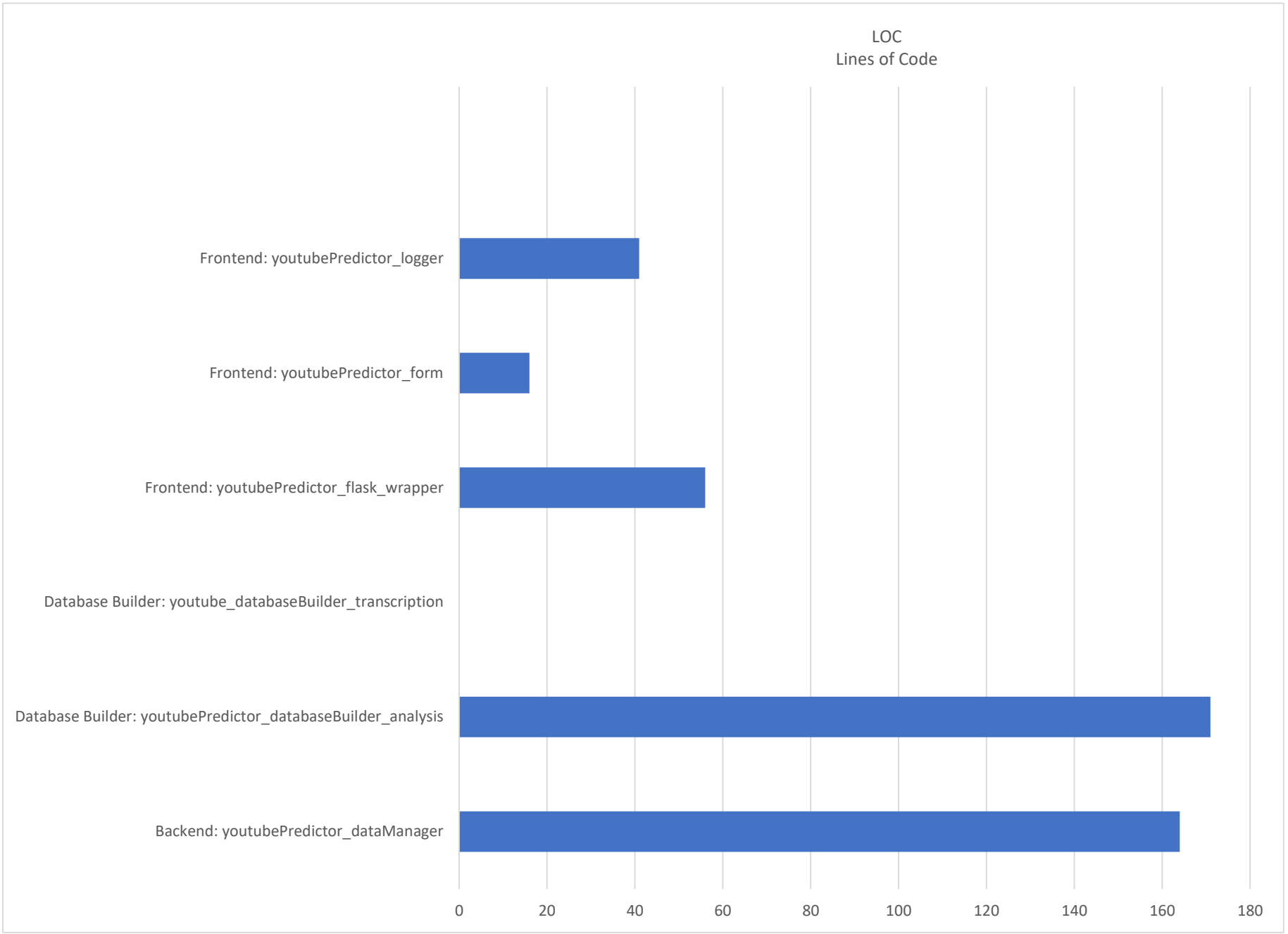
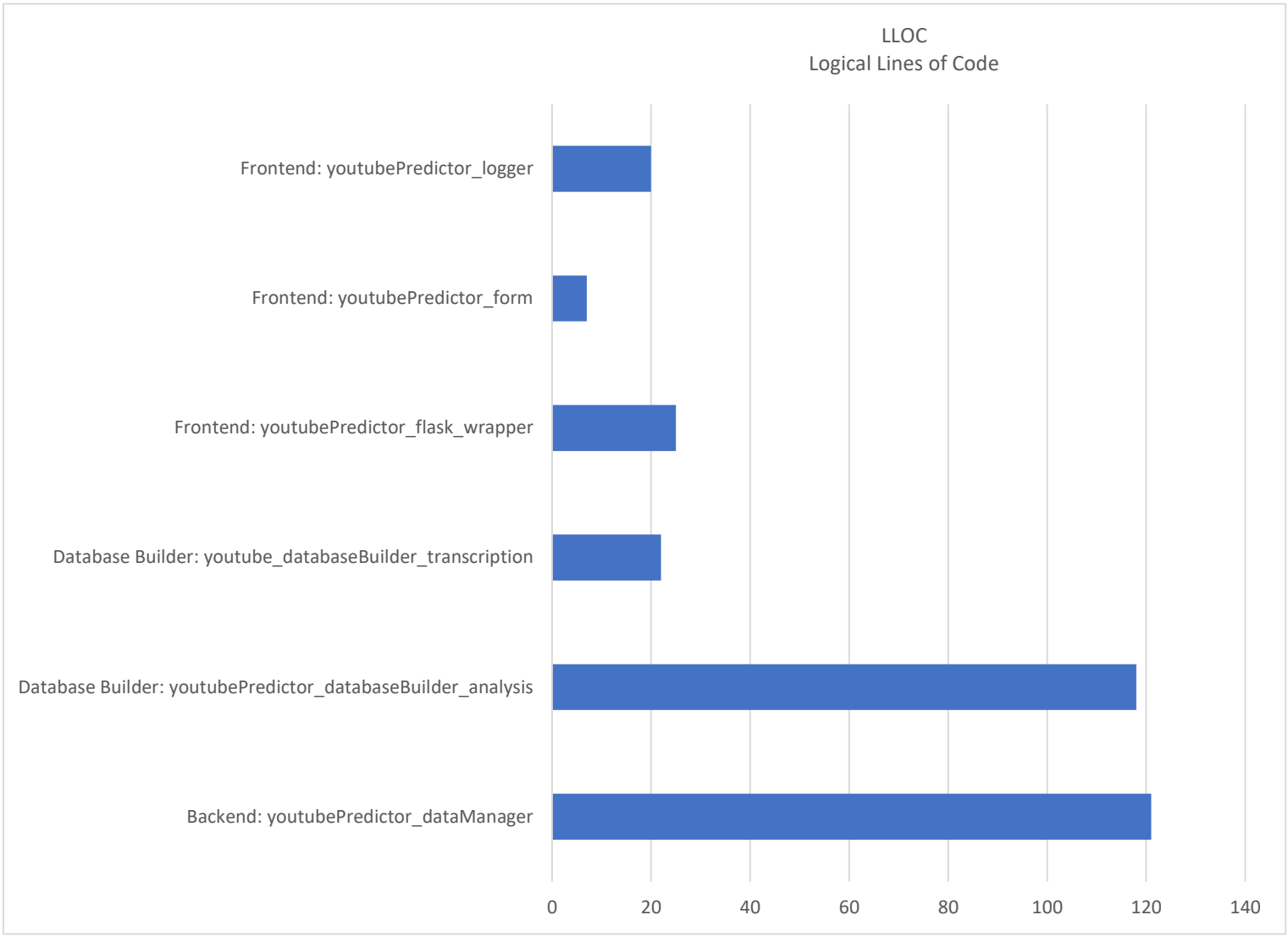
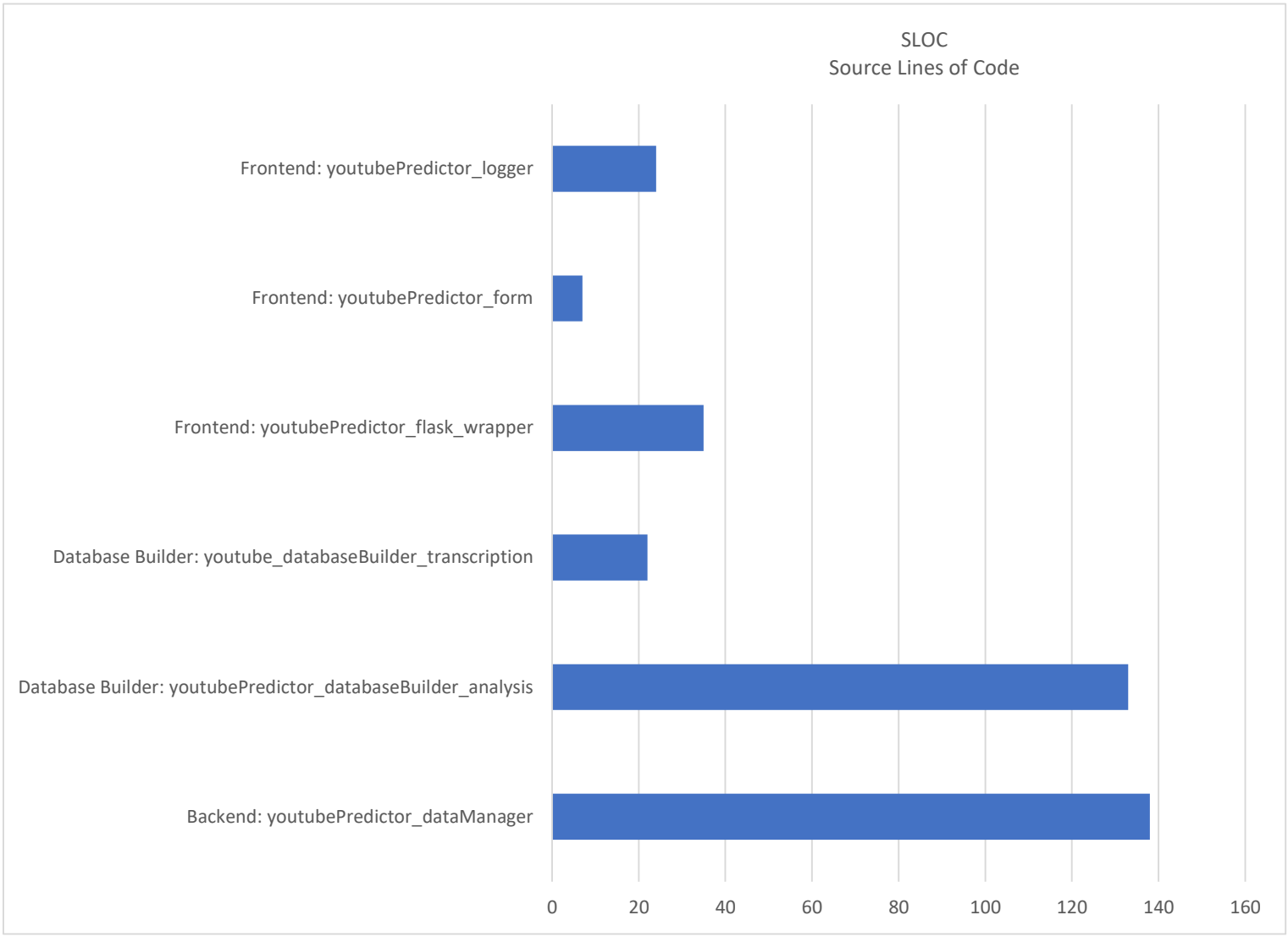
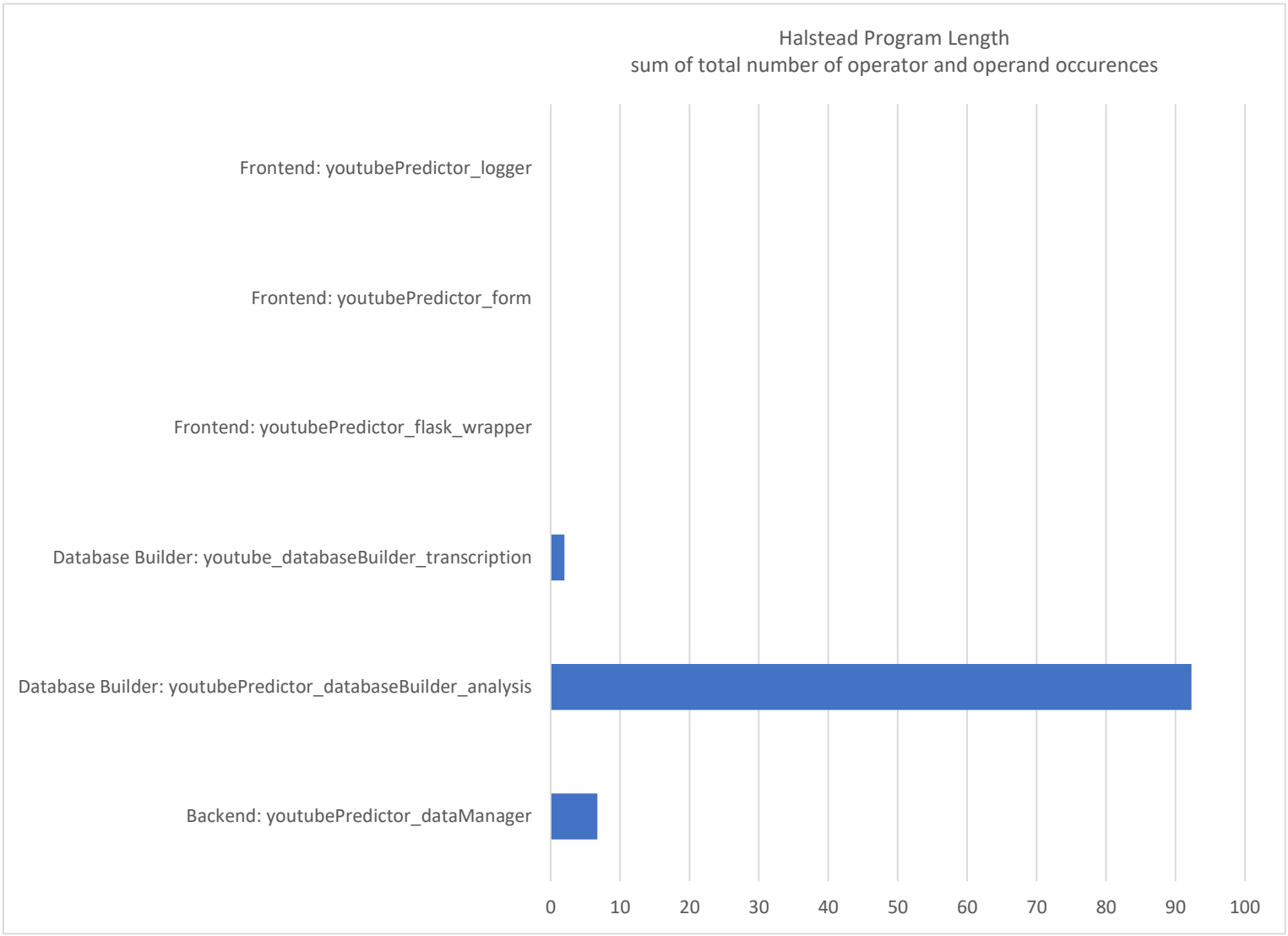
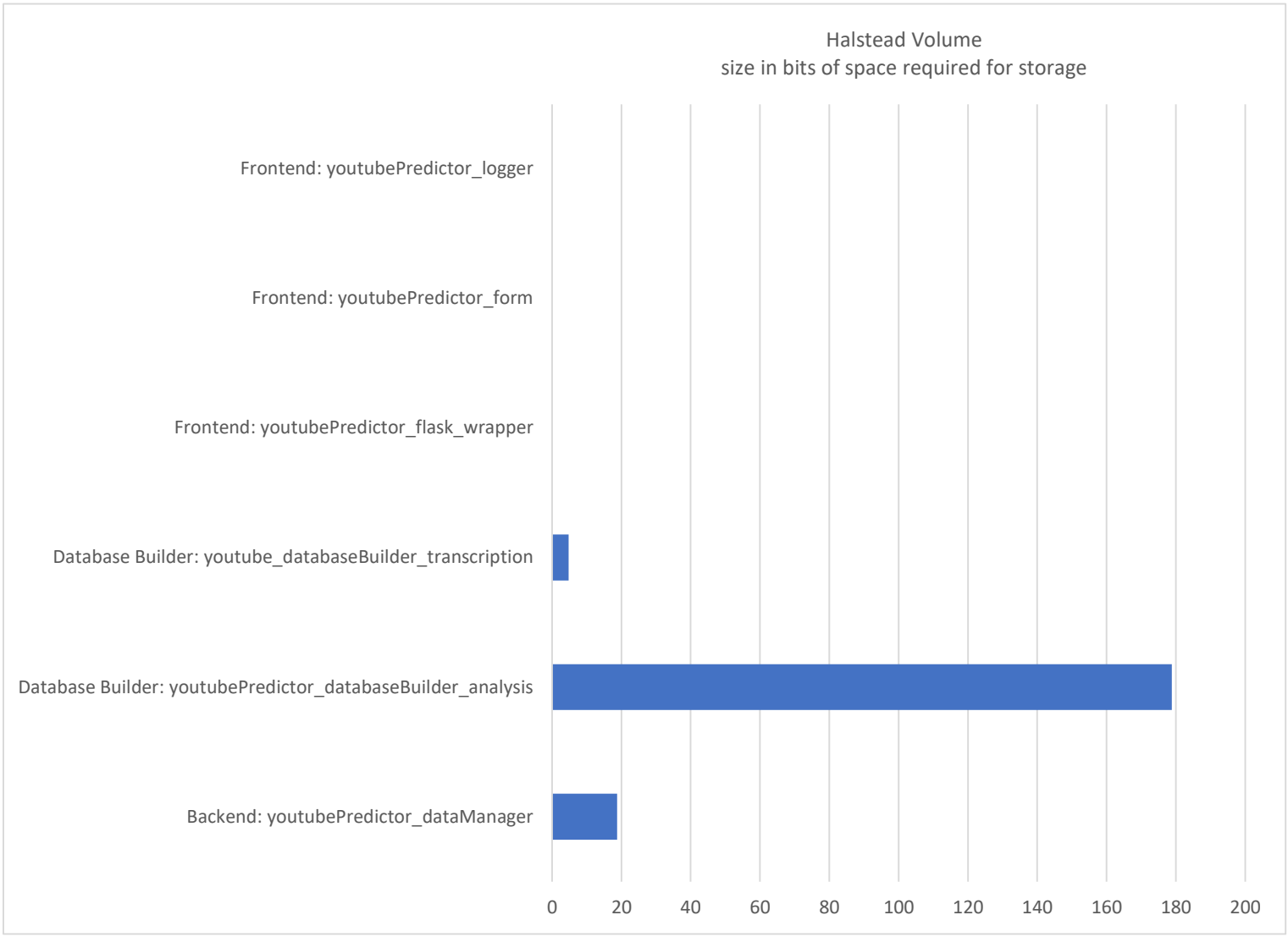
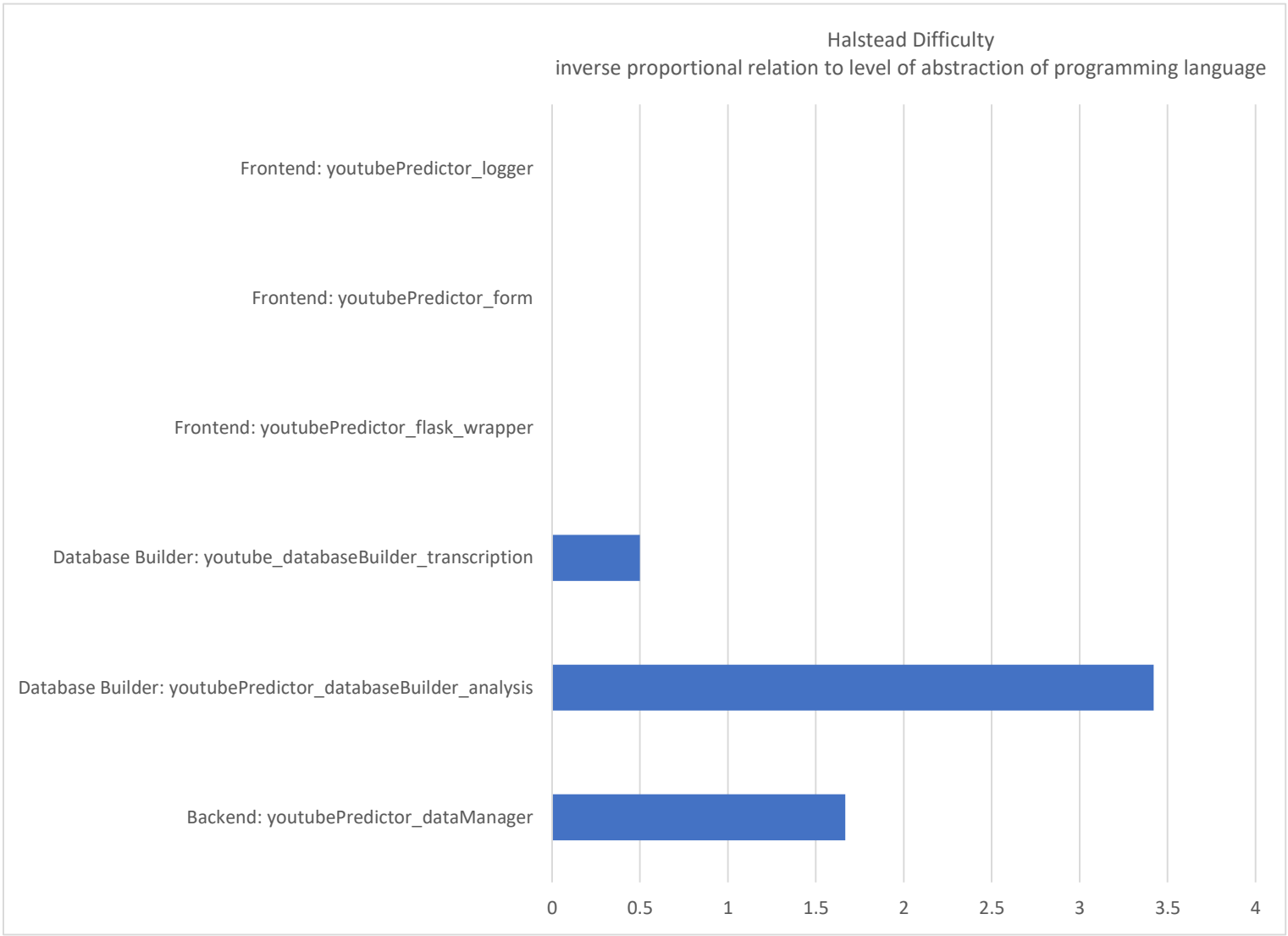

LOC
Lines of Code
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
20
40
60
80
100
120
140
160
180

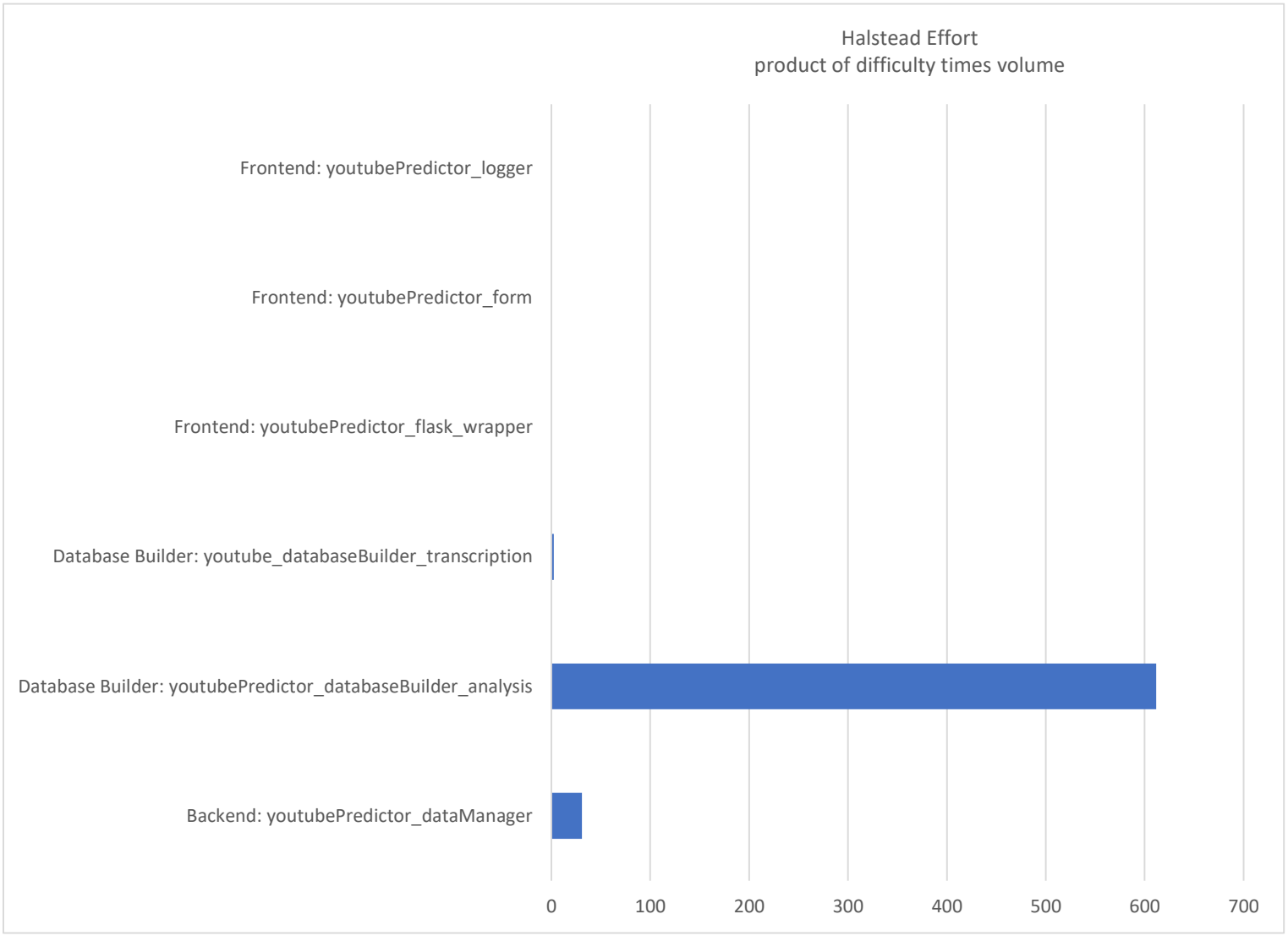

LLOC
Logical Lines of Code
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
20
40
60
80
100
120
140

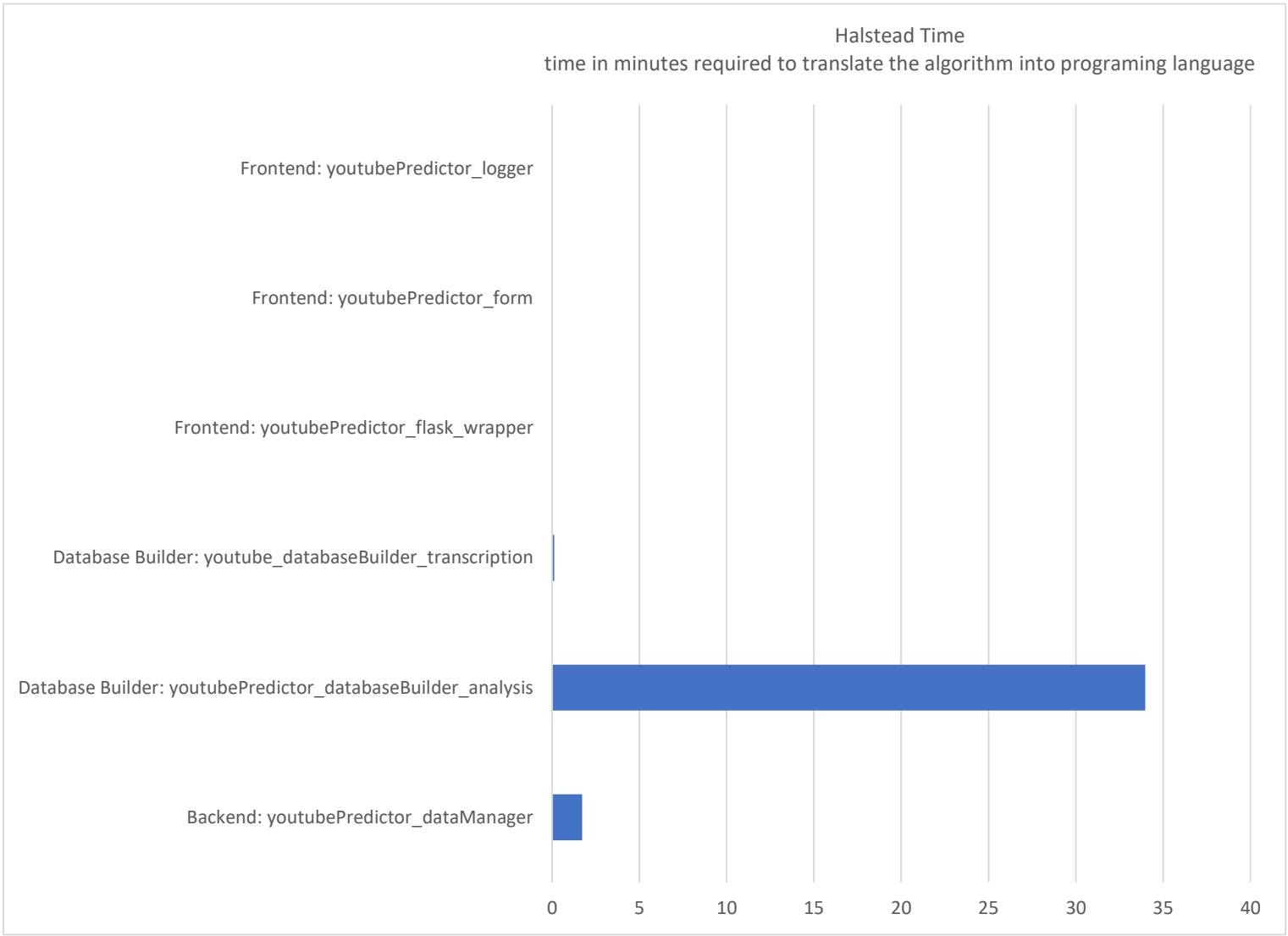

SLOC
Source Lines of Code
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
20
40
60
80
100
120
140
160

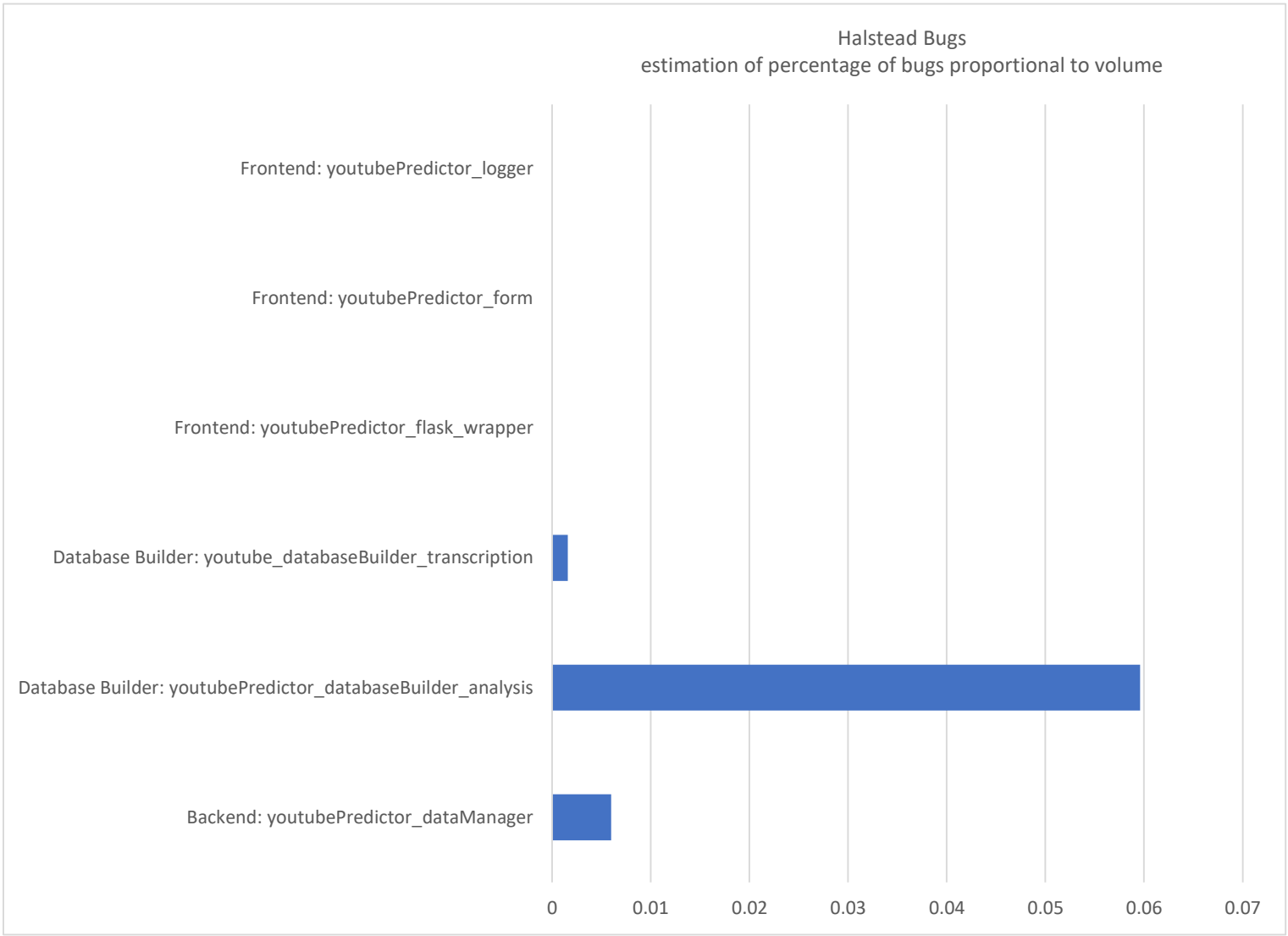

Halstead Program Length
sum of total number of operator and operand occurences
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
10
20
30
40
50
60
70
80
90
100

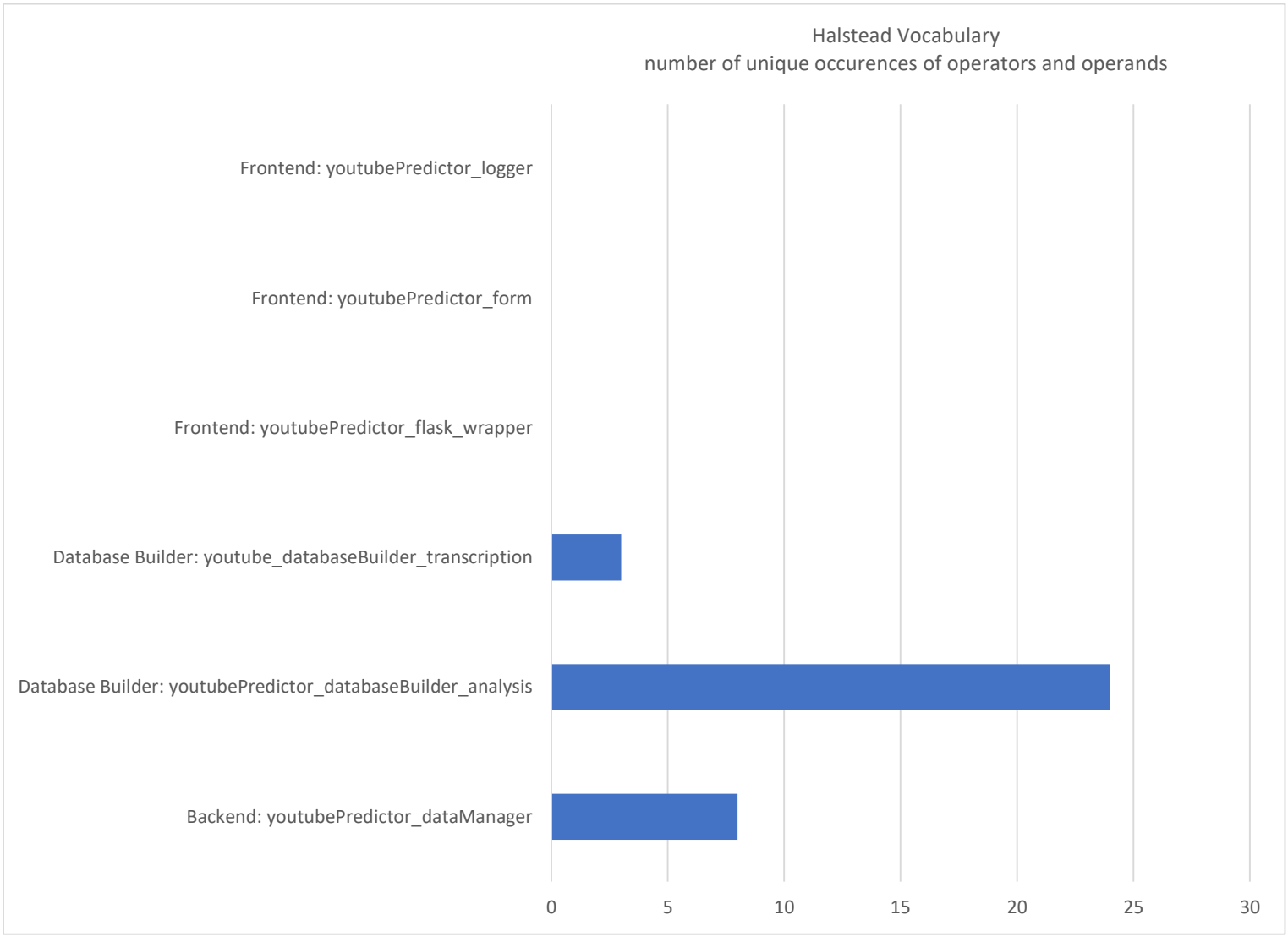

Halstead Volume
size in bits of space required for storage
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
20
40
60
80
100
120
140
160
180
200


Halstead Difficulty
inverse proportional relation to level of abstraction of programming language
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
0.5
1
1.5
2
2.5
3
3.5
4


Halstead Effort
product of difficulty times volume
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
100
200
300
400
500
600
700


Halstead Time
time in minutes required to translate the algorithm into programing language
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
5
10
15
20
25
30
35
40


Halstead Bugs
estimation of percentage of bugs proportional to volume
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07


Halstead Vocabulary
number of unique occurences of operators and operands
Frontend: youtubePredictor_logger
Frontend: youtubePredictor_form
Frontend: youtubePredictor_flask_wrapper
Database Builder: youtube_databaseBuilder_transcription
Database Builder: youtubePredictor_databaseBuilder_analysis
Backend: youtubePredictor_dataManager
0
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30

Module	LOC	LLOC	SLOC
Backend: youtubePredictor_dataManager	164	121	138
Database Builder: youtubePredictor_databaseBuilder_analysis	171	118	133
Database Builder: youtube_databaseBuilder_transcription	null	22	22
Frontend: youtubePredictor_flask_wrapper	56	25	35
Frontend: youtubePredictor_form	16	7	7
Frontend: youtubePredictor_logger	41	20	24