HTW Model

Thomas Gorman

2024-03-21

Modelling Results
Group level aggregations
Markdown subtable
pander
kbl
gt
Markdown subtable

Table 1: Mean model errors predicting testing data, aggregated over all participants and velocity bands. Note that Fit Method refers to how model parameters were optimized, while error values reflect mean absolute error for the 6 testing bands

Fit_Method	Model	FCtoNsealmod	Varied	Model	Constant
Fit to Test Data	ALM	Fit t9 9Test Data	103.4	ALM	297.8
	EXAM	104.0	85.7	EXAM	53.9
Fit to Test & Training Data	ALM	Fit ½0 7Tæst & Tr	aini ng olgata	ALM	57.4
	EXAM	127.9	144.9	EXAM	42.9
Fit to Training Data	ALM	Fit 4677 aining	Data _{291.4}	ALM	51.8
	EXAM	273.3	297.9	EXAM	51.4

Table 2: Main Caption

Model	Constant	Varied
ALM	199.9	103.4
EXAM	104.0	85.7
ALM	: First Table {#1 217.0	tbl-first} 170.3
EXAM	127.9	144.9
ALM	467.7	291.4
EXAM	273.3	297.9
Model	Constant	Varied
ALM	297.8	2,016.0
EXAM	53.9	184.0
ALM	: Second Table 57·4	{#tbl-second} 132.3
EXAM	42.9	127.9
ALM	51.8	103.5
	ALM EXAM ALM EXAM ALM EXAM Model ALM EXAM ALM EXAM	ALM 199.9 EXAM 104.0 : First Table {#1 217.0 EXAM 127.9 ALM 467.7 EXAM 273.3 Model Constant ALM 297.8 EXAM 53.9 : Second Table 57.4 EXAM 42.9

Table 3: Mean model errors

Fit_Method	Model	condit	mean_error
Test	ALM	Constant	199.93250
Test	ALM	Varied	103.36184
Test	EXAM	Constant	104.01000
Test	EXAM	Varied	85.67763
Test_Train	ALM	Constant	216.96875
Test_Train	ALM	Varied	170.27632
Test_Train	EXAM	Constant	127.94250
Test_Train	EXAM	Varied	144.86316
Train	ALM	Constant	467.73000
Train	ALM	Varied	291.38289
Train	EXAM	Constant	273.30000
Train	EXAM	Varied	297.91053

Fit_Method	Model	condit	mean_error
Test	ALM	Constant	297.81814
Test	ALM	Varied	2,016.00582
Test	EXAM	Constant	53.90292
Test	EXAM	Varied	184.00079
Test_Train	ALM	Constant	57.39716
Test_Train	ALM	Varied	132.32472
Test_Train	EXAM	Constant	42.92373
Test_Train	EXAM	Varied	127.90159
Train	ALM	Constant	51.77211
Train	ALM	Varied	103.47686
Train	EXAM	Constant	51.43058
Train	EXAM	Varied	107.03430

Table 4: Example

(a) Cars

	(a) Cars					
	Fit_Method	Model	condit	mean_error		
	Test	ALM	Constant	297.8		
	Test	ALM	Varied	2016		
	Test	EXAM	Constant	53.9		
	Test	EXAM	Varied	184		
	Test_Train	ALM	Constant	57.4		
	Test_Train	ALM	Varied	132.3		
	Test_Train	EXAM	Constant	42.92		
	Test_Train	EXAM	Varied	127.9		
	Train	ALM	Constant	51.77		
	Train	ALM	Varied	103.5		
	Train	EXAM	Constant	51.43		
	Train	EXAM	Varied	107		
•	(b) Pressure					
	Fit_Method	Model	condit	mean_error		
	Test	ALM	Constant	199.9		
	Test	ALM	Varied	103.4		
	Toct	FYAM	Constant	10.4		

Fit_Method	Model	condit	mean_error
Test	ALM	Constant	199.9
Test	ALM	Varied	103.4
Test	EXAM	Constant	104
Test	EXAM	Varied	85.68
Test_Train	ALM	Constant	217
Test_Train	ALM	Varied	170.3
Test_Train	EXAM	Constant	127.9
Test_Train	EXAM	Varied	144.9
Train	ALM	Constant	467.7
Train	ALM	Varied	291.4
Train	EXAM	Constant	273.3
Train	EXAM	Varied	297.9

Table 5: Conditional Means and Contrasts

Fit_Method	Model	condit	mean_error	Fit_Method	Model	condit	mean_error
Test	ALM	Constant	199.93250	Test	ALM	Constant	297.81814
Test	ALM	Varied	103.36184	Test	ALM	Varied	2016.00582
Test	EXAM	Constant	104.01000	Test	EXAM	Constant	53.90292
Test	EXAM	Varied	85.67763	Test	EXAM	Varied	184.00079
Test_Train	ALM	Constant	216.96875	Test_Train	ALM	Constant	57.39716
Test_Train	ALM	Varied	170.27632	Test_Train	ALM	Varied	132.32472
Test_Train	EXAM	Constant	127.94250	Test_Train	EXAM	Constant	42.92373
Test_Train	EXAM	Varied	144.86316	Test_Train	EXAM	Varied	127.90159
Train	ALM	Constant	467.73000	Train	ALM	Constant	51.77211
Train	ALM	Varied	291.38289	Train	ALM	Varied	103.47686
Train	EXAM	Constant	273.30000	Train	EXAM	Constant	51.43058
Train	EXAM	Varied	297.91053	Train	EXAM	Varied	107.03430

Table 6: Conditional Means and Contrasts

condit	mean_error		
Test - ALN	Л		
Constant	199.93250		
Varied	103.36184		
Test - EXA	AM		
Constant	104.01000		
Varied	85.67763		
Test_Train	ı - ALM		
Constant	216.96875		
Varied	170.27632		
Test_Train - EXAM			
Constant	127.94250		
Varied	144.86316		
Train - AL	.M		
Constant	467.73000		
Varied	291.38289		
Train - EXAM			
Constant	273.30000		
Varied	297.91053		

condit	mean_error
Test - ALN	Л
Constant	297.81814
Varied	2016.00582
Test - EXA	AM
Constant	53.90292
Varied	184.00079
Test_Train	ı - ALM
Constant	57.39716
Varied	132.32472
Test_Train	ı - EXAM
Constant	42.92373
Varied	127.90159
Train - AL	.M
Constant	51.77211
Varied	103.47686
Train - EX	AM
Constant	51.43058
Varied	107.03430

Table 7: Main Caption

(a) First Table

Colı	Col2	Col ₃
A	В	С
E	F	G
Α	G	G

(b) Second Table

Colı	Col2	Col ₃
A	В	С
E	F	G
A	G	G

Table 8: Conditional Means and Contrasts

Fit_Method	Model	condit	mean_erFi	bt_Method	Model	condit	mean_error	
Test	ALM	Constant	297.8	Test	ALM	Constant	199.9	
Test	ALM	Varied	2016	Test	ALM	Varied	103.4	
Test	EXAM	Constant	53.9	Test	EXAM	Constant	104	
Test	EXAM	Varied	184	Test	EXAM	Varied	85.68	
Test_Train	ALM	Constant	57.4Te	est_Train	ALM	Constant	217	
Test_Train	ALM	Varied	132.3Te	est_Train	ALM	Varied	170.3	
Test_Train	EXAM	Constant	42.92Te	est_Train	EXAM	Constant	127.9	
Test_Train	EXAM	Varied	127.9Te	est_Train	EXAM	Varied	144.9	
Train	ALM	Constant	51.77	Train	ALM	Constant	467.7	
Train	ALM	Varied	103.5	Train	ALM	Varied	291.4	
Train	EXAM	Constant	51.43	Train	EXAM	Constant	273.3	
Train	EXAM	Varied	107	Train	EXAM	Varied	297.9	

Table 9: Conditional Means and Contrasts

+	+	+	++			
_			mean_error-			
		+======- Constant	+===== ===============================			
			+†Test 20 1 6			
+		+	+†Test 53+9	ALM	Varied	103.4
+	+	+	+†Test	EXAM	Constant	104
•		+	18 4 † +†Test	EXAM	Varied	85.68
Test_Train +			57+4 + -Test+Train		+ Constant	
Test_Train	ALM	Varied	· —	+	+	+
Test_Train	EXAM	Constant	42. 92	+	+	+
+ Test_Train	•	+ Varied	+ -Test <u>+</u> Train 127+ 9			
+ Train		+ Constant	+			144.9 +
+ Train	+ ALM		+†Tratin 103+5	•	•	•
+	+	+	+	ALM	Varied	291.4
+	+	+	51. 43 Tradin	EXAM	Constant	
	EXAM +		107 +†Tratin		+ Varied	+ 297.9
			+	+	+	+

Table: test cap1

Table 10: Conditional Means and Contrasts

	Fit_Method		Model		condit	l m	iean_erFi	bt_Method		Model		condit	l m	ean_error	1
-	::		::		::	: :-	·+ :- -	: +:	1	:	:	::	:-		:
-	Test		ALM		${\tt Constant}$	1	29718	T∉st		ALM		Constant		199.9	
-	Test	١	ALM		Varied	1	2016	T∉st	1	ALM		Varied	l	103.4	-
-	Test	١	EXAM		Constant	1	5319	T∉st	1	EXAM		Constant	l	104	-
1	Test		EXAM		Varied		184	T∉st		EXAM	-	Varied	l	85.68	1
1	Test_Train		ALM		Constant		57 4Te	est <u> </u> Train		ALM	-	Constant	l	217	1
1	Test_Train		ALM		Varied		132 3Te	est <u> </u> Train	1	ALM	-	Varied		170.3	1
1	Test_Train		EXAM		Constant		42.92Te	est <u> </u> Train	1	EXAM	-	Constant	l	127.9	1
1	Test_Train		EXAM		Varied		127 9Te	est <u> </u> Train		EXAM	-	Varied	l	144.9	1
1	Train		ALM		Constant	1	51.77	Train	1	ALM	-	Constant		467.7	1
1	Train		ALM		Varied		103 5	Train	1	ALM	-	Varied		291.4	1
1	Train		EXAM		Constant		51.43	Train	1	EXAM	-	Constant		273.3	1
1	Train	١	EXAM		Varied	1	107	Train	Ι	EXAM	-	Varied	l	297.9	1

Table: test cap1 Table: test cap2