O	utput/Visualization				
		Υ			
-	Output	Train f	uture pred.		
ı	1959-05-	01		420	
	1959-05-			472	
	1959-00-			548	
	1959-08-			559	
	1959-09-			463	
	1959-10-			407	
	1959-11-	_		362	
	1959-12-	_		405	
	1960-01-			417	
	1960-02-	01		391	
	1960-03-	01		419	
	1960-04-	01		461	
	1960-05-	01		472	
	1960-06-	01		535	
	1960-07-	_		622	
	1960-08-			606	
	1960-09-	-		508	
	1960-10-	-		461	
	1960-11-			390	
	1960-12-			432	
	1961-01-	<b>01</b> *	447	.5099	
	Fv-1		+		
	Target	uation	on trainin		=== :ep-ahead
					.ep-aneau
	passenge	r numbe	rs		
	N		5		132
	Mean a	bsolute	error		8.3983
			ared error		10.6337
	Total nu	mber of	instances	: 144	

1960-03-01	419
1960-03-01	419
1960-04-01	472
1960-05-01	535
1960-00-01	622
1960-07-01	606
1960-00-01	508
1960-09-01	461
1960-10-01	390
1960-11-01	432
1961-01-01*	448.0962
=== Evaluation on Target	training data === 1-step-ahead
passenger_numbers	
N	103
Mean absolute er	
Root mean square	d error 8.442
Total number of in	stances: 115
=== Evaluation on	test data ===
Target	1-step-ahead
passenger numbers	
N	
N Mean absolute er	ror 17.588
N	
N Mean absolute er	ror 17.588 d error 20.438

How does the MAE and RMSE compare to those from Step 4? Why is it so? The error is larger and almost doubled now since only 0.2 of the sample is used for training. The classier is less accurate at predicting.

1300 02 01	331
1960-03-01	419
1960-04-01	461
1960-05-01	472
1960-06-01	535
1960-07-01	622
1960-08-01	606
1960-09-01	508
1960-10-01	461
1960-11-01	390
1960-12-01	432
1961-01-01*	441.1992
=== Evaluation on	training data ===
Target	1-step-ahead
=======================================	
passenger_numbers	
N	103
Mean absolute e	rror 7.0827
Root mean squar	ed error 8.5459
·	
Total number of i	nstances: 115

1-step-ahead

17.6701

20.4839

=== Evaluation on test data ===

Total number of instances: 29

Target

passenger\_numbers

Mean absolute error Root mean squared error Little differences as the features are mostly useful, to help the classier perform better. After removing the feature selection, the performance got worst.