ING M7: Predicte Analytics

Bootstrapped Prediction Intervels (PI) An Example:

Cha-step raise frecosting.

.\.\.\2(	3   4	5	6	7	8
t   1   2   1	3 2	4	7	12	
JE 3 /	7 3	2	4	7	12
yt 1	1-41-1	+2	+3	+5	
et +2	+				
)	1	\		1	1

Create 10.000 samples for y8:

 $y_8 = \hat{y}_8 + e_8 = 12 + 3 = 15$ 

-12-1=11

= 12-4 = 8

= 12-1= 11

To find gon's PI, find (95th) percentile of 10000.

To find gon's PI, find (95th) percentile of 10000.

This is your lower bound.

(upper)

Continue this fashion to find PI for tylo.

Two-step raise frecostre.

(WO - 540) Marion	1	<b>5</b> 1	6 1	7	8	9
$t \mid 1 \mid 2 \mid 3 \mid 9$	1	4	チ	12		
y 5 7 3 1-	7	3	2	4	7	12
Jt J	-5	1	5	8		
et -2						
		/		1		

Create 10.000 samples for y:  $y_9 = \hat{y}_9 + e_9 = 12 - 5 = 7$ replacement from -12+1 = 13 = 12+8 = 20 = 12 + 1 = 13To find gon PI, find (35th) percentile of 10000.

You's just created. this is your larger bond. Continue this fishion to flad PT's B- t= 11,13, 15, 17, 17, -...