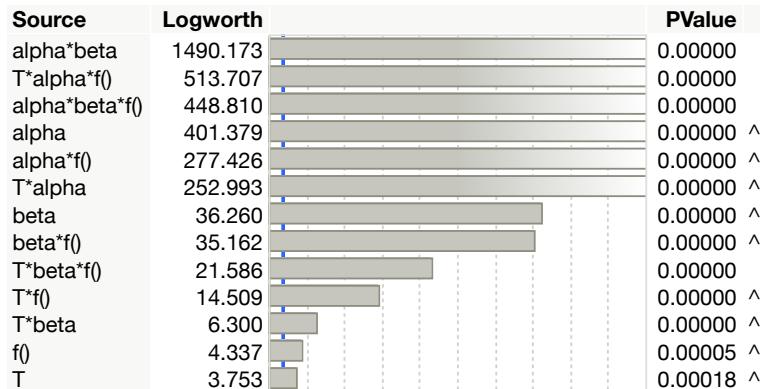


Response R(beta, 0)**Effect Summary****Summary of Fit**

RSquare	0.959608
RSquare Adj	0.957725
Root Mean Square Error	0.048706
Mean of Response	0.269364
Observations (or Sum Wgts)	11700

Analysis of Variance

Source	DF	Sum of Squares		F Ratio	Prob > F
		Mean Square	F Ratio		
Model	521	629.97574	1.20917	509.7075	
Error	11178	26.51729	0.00237		<.0001*
C. Total	11699	656.49304			

Effect Tests

Source	Nparm	DF	Sum of Squares		
			F Ratio	Prob > F	
T	2	2	0.041034	8.6486	0.0002*
alpha	12	12	4.931665	173.2396	<.0001*
T*alpha	24	24	3.192966	56.0813	<.0001*
beta	9	9	0.464522	21.7570	<.0001*
T*beta	18	18	0.151545	3.5490	<.0001*
alpha*beta	108	108	24.799339	96.7946	<.0001*
f()	2	2	0.047425	9.9957	<.0001*
T*f()	4	4	0.176343	18.5837	<.0001*
alpha*f()	24	24	3.498317	61.4445	<.0001*
T*alpha*f()	48	48	6.905364	60.6429	<.0001*
beta*f()	18	18	0.516460	12.0948	<.0001*
T*beta*f()	36	36	0.446909	5.2330	<.0001*
alpha*beta*f()	216	216	7.550187	14.7346	<.0001*

Response R(beta, 0)**Prediction Expression**

0.0113218508

$$\begin{aligned}
 & + \text{Match}(T) \left(\begin{array}{l} \text{"NAR"} \Rightarrow -0.000882286 \\ \text{"NCAR"} \Rightarrow 0.0111720499 \\ \text{"NNAR"} \Rightarrow -0.010289764 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & + \text{Match}(\alpha) \left(\begin{array}{l} 0.05 \Rightarrow 0 \\ 0.1 \Rightarrow -0.000433619 \\ 0.15 \Rightarrow 0.0058587965 \\ 0.2 \Rightarrow 0.0152265561 \\ 0.25 \Rightarrow 0.0200609648 \\ 0.3 \Rightarrow 0.028906126 \\ 0.35 \Rightarrow 0.0420113022 \\ 0.4 \Rightarrow 0.0869081411 \\ 0.45 \Rightarrow 0.126847102 \\ 0.5 \Rightarrow 0.1402924141 \\ 0.55 \Rightarrow 0.1600947707 \\ 0.6 \Rightarrow 0.1477425355 \\ 0.65 \Rightarrow 0.1716404439 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & \left(\begin{array}{l} 0.05 \Rightarrow 0 \\ 0.1 \Rightarrow -0.010501383 \\ 0.15 \Rightarrow -0.014215473 \\ 0.2 \Rightarrow -0.010486043 \\ 0.25 \Rightarrow -0.010973476 \\ 0.3 \Rightarrow -0.008662287 \\ \text{"NAR"} \Rightarrow \text{Match}(\alpha) \left(\begin{array}{l} 0.35 \Rightarrow 0.0099465797 \\ 0.4 \Rightarrow 0.0037522026 \\ 0.45 \Rightarrow 0.0206302276 \\ 0.5 \Rightarrow 0.0175740218 \\ 0.55 \Rightarrow 0.0393703012 \\ 0.6 \Rightarrow 0.0367475205 \\ 0.65 \Rightarrow 0.0140147518 \\ \text{else} \Rightarrow . \end{array} \right) \\ 0.05 \Rightarrow 0 \\ 0.1 \Rightarrow -0.001400811 \\ 0.15 \Rightarrow 0.00145793 \end{array} \right)
 \end{aligned}$$

Response R(beta, 0)	
Prediction Expression	
+ Match(T)	$\text{"NCAR"} \Rightarrow \text{Match}(\alpha)$ <pre> 0.2 => -0.008203287 0.25 => -0.003893474 0.3 => -0.013373352 0.35 => -0.020529999 0.4 => -0.040572999 0.45 => -0.047217796 0.5 => -0.037521884 0.55 => -0.064358451 0.6 => -0.042350912 0.65 => -0.033526775 else => . </pre> $\text{"NNAR"} \Rightarrow \text{Match}(\alpha)$ <pre> 0.05 => 0 0.1 => 0.0119021941 0.15 => 0.0127575432 0.2 => 0.0186893307 0.25 => 0.0148669501 0.3 => 0.0220356384 0.35 => 0.0105834195 0.4 => 0.0368207968 0.45 => 0.0265875688 0.5 => 0.0199478627 0.55 => 0.0249881501 0.6 => 0.0056033913 0.65 => 0.0195120232 else => . </pre> else => .
+ Match(beta)	$0.1 \Rightarrow 0$ $0.2 \Rightarrow 0.0072598694$ $0.3 \Rightarrow 0.0086530555$ $0.4 \Rightarrow 0.0196951655$ $0.5 \Rightarrow 0.0280342522$ $0.6 \Rightarrow 0.0340881794$ $0.7 \Rightarrow 0.0373201747$ $0.8 \Rightarrow 0.0578343094$ $0.9 \Rightarrow 0.0602802781$ $1 \Rightarrow 0.0682411075$ else => .

Response R(beta, 0)	
Prediction Expression	
	$\left(\begin{array}{l} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0084800131 \\ 0.3 \Rightarrow 0.0060130224 \\ 0.4 \Rightarrow 0.0079514694 \\ 0.5 \Rightarrow 0.0092795512 \\ "NAR" \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow 0.0090226243 \\ 0.7 \Rightarrow 0.0094151512 \\ 0.8 \Rightarrow 0.0098110087 \\ 0.9 \Rightarrow 0.0082579556 \\ 1 \Rightarrow 0.0091669008 \\ \text{else} \Rightarrow . \end{array} \right) \right)$
$+ \text{Match}(T)$	$\left(\begin{array}{l} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow -0.003039808 \\ 0.3 \Rightarrow -0.003639365 \\ 0.4 \Rightarrow -0.008775134 \\ 0.5 \Rightarrow -0.011360058 \\ "NCAR" \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow -0.011911131 \\ 0.7 \Rightarrow -0.012514187 \\ 0.8 \Rightarrow -0.013550294 \\ 0.9 \Rightarrow -0.012992813 \\ 1 \Rightarrow -0.012675562 \\ \text{else} \Rightarrow . \end{array} \right) \right)$
	$\left(\begin{array}{l} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow -0.005440205 \\ 0.3 \Rightarrow -0.002373658 \\ 0.4 \Rightarrow 0.000823665 \\ 0.5 \Rightarrow 0.0020805071 \\ "NNAR" \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow 0.0028885065 \\ 0.7 \Rightarrow 0.0030990355 \\ 0.8 \Rightarrow 0.003739285 \\ 0.9 \Rightarrow 0.0047348578 \\ 1 \Rightarrow 0.0035086614 \\ \text{else} \Rightarrow . \end{array} \right) \right)$
else	$\Rightarrow .$
	$\left(\begin{array}{l} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0 \end{array} \right)$

Response R(beta, 0)	
Prediction Expression	
0.05 \Rightarrow Match(beta)	$\begin{cases} 0.3 \Rightarrow 0 \\ 0.4 \Rightarrow 0 \\ 0.5 \Rightarrow 0 \\ 0.6 \Rightarrow 0 \\ 0.7 \Rightarrow 0 \\ 0.8 \Rightarrow 0 \\ 0.9 \Rightarrow 0 \\ 1 \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.1 \Rightarrow Match(beta)	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0100207922 \\ 0.3 \Rightarrow 0.0259699399 \\ 0.4 \Rightarrow 0.0246005519 \\ 0.5 \Rightarrow 0.0374875214 \\ 0.6 \Rightarrow 0.0493479143 \\ 0.7 \Rightarrow 0.0544696973 \\ 0.8 \Rightarrow 0.0534086072 \\ 0.9 \Rightarrow 0.0664619237 \\ 1 \Rightarrow 0.0698381004 \\ \text{else} \Rightarrow . \end{cases}$
0.15 \Rightarrow Match(beta)	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.012235712 \\ 0.3 \Rightarrow 0.0256550597 \\ 0.4 \Rightarrow 0.0330879564 \\ 0.5 \Rightarrow 0.0415631002 \\ 0.6 \Rightarrow 0.0556710471 \\ 0.7 \Rightarrow 0.0701033202 \\ 0.8 \Rightarrow 0.0672006548 \\ 0.9 \Rightarrow 0.0913129167 \\ 1 \Rightarrow 0.1079698251 \\ \text{else} \Rightarrow . \end{cases}$
0.2 \Rightarrow Match(beta)	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0152825021 \\ 0.3 \Rightarrow 0.0353070365 \\ 0.4 \Rightarrow 0.0490895816 \\ 0.5 \Rightarrow 0.0612568357 \\ 0.6 \Rightarrow 0.0840161465 \end{cases}$

Response R(beta, 0)	
Prediction Expression	
	$\begin{cases} 0.7 \Rightarrow 0.0986566843 \\ 0.8 \Rightarrow 0.0960132627 \\ 0.9 \Rightarrow 0.1270696341 \\ 1 \Rightarrow 0.1521331608 \\ \text{else} \Rightarrow . \end{cases}$
	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0199341873 \\ 0.3 \Rightarrow 0.0445708594 \\ 0.4 \Rightarrow 0.0667881577 \\ 0.5 \Rightarrow 0.085835732 \\ 0.25 \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow 0.102718121 \\ 0.7 \Rightarrow 0.1247907607 \\ 0.8 \Rightarrow 0.128857644 \\ 0.9 \Rightarrow 0.1513648291 \\ 1 \Rightarrow 0.1774378216 \\ \text{else} \Rightarrow . \end{cases}$
	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0295969133 \\ 0.3 \Rightarrow 0.0649868865 \\ 0.4 \Rightarrow 0.0854333278 \\ 0.5 \Rightarrow 0.1037778018 \\ 0.3 \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow 0.1248710507 \\ 0.7 \Rightarrow 0.1483037731 \\ 0.8 \Rightarrow 0.1570131209 \\ 0.9 \Rightarrow 0.1832243136 \\ 1 \Rightarrow 0.2071875508 \\ \text{else} \Rightarrow . \end{cases}$
+ Match(alpha)	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0426633962 \\ 0.3 \Rightarrow 0.0816619131 \\ 0.4 \Rightarrow 0.1019731878 \\ 0.5 \Rightarrow 0.1283978648 \\ 0.35 \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow 0.1494270038 \\ 0.7 \Rightarrow 0.1755815731 \\ 0.8 \Rightarrow 0.1818814472 \\ 0.9 \Rightarrow 0.2134371861 \\ 1 \Rightarrow 0.2411445186 \end{cases}$

Response R(beta, 0)**Prediction Expression**

	$\begin{cases} \text{else} \Rightarrow . \\ 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0548495793 \\ 0.3 \Rightarrow 0.1048586059 \\ 0.4 \Rightarrow 0.1324406272 \\ 0.5 \Rightarrow 0.1568240615 \\ 0.6 \Rightarrow 0.1804542432 \\ 0.7 \Rightarrow 0.2075584993 \\ 0.8 \Rightarrow 0.216137356 \\ 0.9 \Rightarrow 0.2469897198 \\ 1 \Rightarrow 0.2762056214 \\ \text{else} \Rightarrow . \end{cases}$
0.4 $\Rightarrow \text{Match}(\beta)$	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0682647939 \\ 0.3 \Rightarrow 0.1251935841 \\ 0.4 \Rightarrow 0.1549180313 \\ 0.5 \Rightarrow 0.1845473341 \\ 0.6 \Rightarrow 0.2127612383 \\ 0.7 \Rightarrow 0.2376661353 \\ 0.8 \Rightarrow 0.246854562 \\ 0.9 \Rightarrow 0.277947047 \\ 1 \Rightarrow 0.3082602594 \\ \text{else} \Rightarrow . \end{cases}$
0.45 $\Rightarrow \text{Match}(\beta)$	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0932353619 \\ 0.3 \Rightarrow 0.1732999133 \\ 0.4 \Rightarrow 0.206471088 \\ 0.5 \Rightarrow 0.2394355557 \\ 0.6 \Rightarrow 0.2750699017 \\ 0.7 \Rightarrow 0.3002115267 \\ 0.8 \Rightarrow 0.3119226521 \\ 0.9 \Rightarrow 0.3410250271 \\ 1 \Rightarrow 0.3730322522 \\ \text{else} \Rightarrow . \end{cases}$
0.5 $\Rightarrow \text{Match}(\beta)$	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.1079545701 \end{cases}$

Response R(beta, 0)**Prediction Expression**

		$0.3 \Rightarrow 0.2080315376$
		$0.4 \Rightarrow 0.2553364384$
		$0.5 \Rightarrow 0.287973091$
$0.55 \Rightarrow \text{Match}(\beta)$		$0.6 \Rightarrow 0.3171732186$
		$0.7 \Rightarrow 0.3452013164$
		$0.8 \Rightarrow 0.3529277436$
		$0.9 \Rightarrow 0.3788882394$
		$1 \Rightarrow 0.4123512464$
		$\text{else} \Rightarrow .$
$0.6 \Rightarrow \text{Match}(\beta)$		$0.1 \Rightarrow 0$
		$0.2 \Rightarrow 0.1549065272$
		$0.3 \Rightarrow 0.2634867413$
		$0.4 \Rightarrow 0.3131866211$
		$0.5 \Rightarrow 0.3480930853$
		$0.6 \Rightarrow 0.3823213013$
		$0.7 \Rightarrow 0.4102511022$
		$0.8 \Rightarrow 0.418490377$
		$0.9 \Rightarrow 0.4471075891$
		$1 \Rightarrow 0.4776133038$
		$\text{else} \Rightarrow .$
$0.65 \Rightarrow \text{Match}(\beta)$		$0.1 \Rightarrow 0$
		$0.2 \Rightarrow 0.127148649$
		$0.3 \Rightarrow 0.2640855244$
		$0.4 \Rightarrow 0.3386901825$
		$0.5 \Rightarrow 0.3795198547$
		$0.6 \Rightarrow 0.4102313733$
		$0.7 \Rightarrow 0.4376129502$
		$0.8 \Rightarrow 0.4503285362$
		$0.9 \Rightarrow 0.477903369$
		$1 \Rightarrow 0.5042572211$
		$\text{else} \Rightarrow .$
$+ \text{Match}(f_0)$		$"\text{lstm"} \Rightarrow 0.0319357962$
		$"\text{mnb"} \Rightarrow -0.010918111$
		$"\text{sgd"} \Rightarrow -0.021017685$
		$\text{else} \Rightarrow .$

Response R(beta, 0)**Prediction Expression**

$$\begin{aligned}
 & "NAR" \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0068236553 \\ "mnb" \Rightarrow -0.032143832 \\ "sgd" \Rightarrow 0.0253201766 \\ \text{else} \Rightarrow . \end{array} \right) \\
 + \text{Match}(T) & "NCAR" \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.008959444 \\ "mnb" \Rightarrow 0.0276575061 \\ "sgd" \Rightarrow -0.018698063 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & "NNAR" \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0021357883 \\ "mnb" \Rightarrow 0.0044863258 \\ "sgd" \Rightarrow -0.006622114 \\ \text{else} \Rightarrow . \end{array} \right) \\
 \text{else} & \Rightarrow . \\
 & 0.05 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & 0.1 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.015221892 \\ "mnb" \Rightarrow 0.008435787 \\ "sgd" \Rightarrow 0.0067861049 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & 0.15 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.007885629 \\ "mnb" \Rightarrow -0.000751906 \\ "sgd" \Rightarrow 0.0086375356 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & 0.2 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.017969328 \\ "mnb" \Rightarrow -0.001226986 \\ "sgd" \Rightarrow 0.0191963136 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & 0.25 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.006057178 \\ "mnb" \Rightarrow -0.01341086 \\ "sgd" \Rightarrow 0.019468038 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & \quad \quad \quad "lstm" \Rightarrow -0.016941187 \\
 & \quad \quad \quad "mnb" \Rightarrow 0.0036508517
 \end{aligned}$$

Response R(beta, 0)**Prediction Expression**

$0.3 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"mnb"} \Rightarrow 0.0050598517 \\ \text{"sgd"} \Rightarrow 0.0132813352 \\ \text{else} \Rightarrow . \end{cases}$	
$+ \text{Match}(\alpha)$	$0.35 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.02663485 \\ \text{"mnb"} \Rightarrow -0.009152084 \\ \text{"sgd"} \Rightarrow 0.0357869345 \\ \text{else} \Rightarrow . \end{cases}$
	$0.4 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.060743669 \\ \text{"mnb"} \Rightarrow -0.011346671 \\ \text{"sgd"} \Rightarrow 0.0720903397 \\ \text{else} \Rightarrow . \end{cases}$
	$0.45 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.10686211 \\ \text{"mnb"} \Rightarrow -0.03854172 \\ \text{"sgd"} \Rightarrow 0.1454038301 \\ \text{else} \Rightarrow . \end{cases}$
	$0.5 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.114309324 \\ \text{"mnb"} \Rightarrow -0.002393583 \\ \text{"sgd"} \Rightarrow 0.116702907 \\ \text{else} \Rightarrow . \end{cases}$
	$0.55 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.137277183 \\ \text{"mnb"} \Rightarrow 0.05817589 \\ \text{"sgd"} \Rightarrow 0.0791012933 \\ \text{else} \Rightarrow . \end{cases}$
	$0.6 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.110388417 \\ \text{"mnb"} \Rightarrow 0.1294776006 \\ \text{"sgd"} \Rightarrow -0.019089184 \\ \text{else} \Rightarrow . \end{cases}$
	$0.65 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.145989251 \\ \text{"mnb"} \Rightarrow 0.1768718824 \\ \text{"sgd"} \Rightarrow -0.030882632 \\ \text{else} \Rightarrow . \end{cases}$
	$\text{else} \Rightarrow .$	
		$\left(\begin{array}{c} \text{0.05} \Rightarrow \text{Match}(f_0) \\ \begin{cases} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \end{cases} \end{array} \right)$

Response R(beta, 0)**Prediction Expression**

		$\begin{cases} \text{"lstm"} \Rightarrow 0.0218774517 \\ \text{"mnb"} \Rightarrow 0.0006409636 \\ \text{"sgd"} \Rightarrow -0.022518415 \\ \text{else} \Rightarrow . \end{cases}$
	0.1 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0243464614 \\ \text{"mnb"} \Rightarrow -0.005361411 \\ \text{"sgd"} \Rightarrow -0.018985051 \\ \text{else} \Rightarrow . \end{cases}$
	0.2 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.007578404 \\ \text{"mnb"} \Rightarrow 0.0164309669 \\ \text{"sgd"} \Rightarrow -0.008852563 \\ \text{else} \Rightarrow . \end{cases}$
	0.25 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.000782229 \\ \text{"mnb"} \Rightarrow 0.02260948 \\ \text{"sgd"} \Rightarrow -0.021827251 \\ \text{else} \Rightarrow . \end{cases}$
	0.3 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0171340468 \\ \text{"mnb"} \Rightarrow 0.0016975527 \\ \text{"sgd"} \Rightarrow -0.018831599 \\ \text{else} \Rightarrow . \end{cases}$
"NAR"	$\Rightarrow \text{Match}(\alpha)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.006104841 \\ \text{"mnb"} \Rightarrow 0.0474081687 \\ \text{"sgd"} \Rightarrow -0.041303328 \\ \text{else} \Rightarrow . \end{cases}$
	0.4 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.012308774 \\ \text{"mnb"} \Rightarrow 0.0731889604 \\ \text{"sgd"} \Rightarrow -0.060880186 \\ \text{else} \Rightarrow . \end{cases}$
	0.45 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.028653004 \\ \text{"mnb"} \Rightarrow 0.0634220124 \\ \text{"sgd"} \Rightarrow -0.034769009 \\ \text{else} \Rightarrow . \end{cases}$
		$\text{"lstm"} \Rightarrow -0.025671974$

Response R(beta, 0)**Prediction Expression**

0.5 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"mnb"} \Rightarrow 0.0842703963 \\ \text{"sgd"} \Rightarrow -0.058598422 \\ \text{else} \Rightarrow . \end{cases}$
0.55 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.05225392 \\ \text{"mnb"} \Rightarrow 0.0682568735 \\ \text{"sgd"} \Rightarrow -0.016002953 \\ \text{else} \Rightarrow . \end{cases}$
0.6 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.043672456 \\ \text{"mnb"} \Rightarrow 0.073167429 \\ \text{"sgd"} \Rightarrow -0.029494973 \\ \text{else} \Rightarrow . \end{cases}$
0.65 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.028701972 \\ \text{"mnb"} \Rightarrow 0.0484581896 \\ \text{"sgd"} \Rightarrow -0.019756218 \\ \text{else} \Rightarrow . \end{cases}$
else $\Rightarrow .$	
0.05 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.1 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.004094766 \\ \text{"mnb"} \Rightarrow -0.001679284 \\ \text{"sgd"} \Rightarrow 0.0057740499 \\ \text{else} \Rightarrow . \end{cases}$
0.15 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0039076145 \\ \text{"mnb"} \Rightarrow 0.0031544668 \\ \text{"sgd"} \Rightarrow -0.007062081 \\ \text{else} \Rightarrow . \end{cases}$
0.2 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0096812128 \\ \text{"mnb"} \Rightarrow -0.013681327 \\ \text{"sgd"} \Rightarrow 0.0040001146 \\ \text{else} \Rightarrow . \end{cases}$
0.25 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0041702211 \\ \text{"mnb"} \Rightarrow -0.008403723 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)	
Prediction Expression	
	"sgd" \Rightarrow 0.0042335015 else \Rightarrow .
	0.3 \Rightarrow Match(f()) "lstm" \Rightarrow 0.0029497671 "mnb" \Rightarrow -0.021560343 "sgd" \Rightarrow 0.0186105757 else \Rightarrow .
	0.35 \Rightarrow Match(f()) "lstm" \Rightarrow 0.0154794871 "mnb" \Rightarrow -0.026946176 "sgd" \Rightarrow 0.0114666892 else \Rightarrow .
+ Match(T)	"NCAR" \Rightarrow Match(alpha) 0.4 \Rightarrow Match(f()) "lstm" \Rightarrow 0.0467016607 "mnb" \Rightarrow -0.0601638 "sgd" \Rightarrow 0.0134621388 else \Rightarrow .
	0.45 \Rightarrow Match(f()) "lstm" \Rightarrow 0.0470943651 "mnb" \Rightarrow -0.066853795 "sgd" \Rightarrow 0.0197594296 else \Rightarrow .
	0.5 \Rightarrow Match(f()) "lstm" \Rightarrow 0.0333912675 "mnb" \Rightarrow -0.086616181 "sgd" \Rightarrow 0.0532249135 else \Rightarrow .
	0.55 \Rightarrow Match(f()) "lstm" \Rightarrow 0.0641806917 "mnb" \Rightarrow -0.123607686 "sgd" \Rightarrow 0.0594269947 else \Rightarrow .
	0.6 \Rightarrow Match(f()) "lstm" \Rightarrow 0.0406056173 "mnb" \Rightarrow -0.090312016 "sgd" \Rightarrow 0.0497063989 else \Rightarrow .
	0.65 \Rightarrow Match(f()) "lstm" \Rightarrow 0.0409910709 "mnb" \Rightarrow -0.070823601 "sgd" \Rightarrow 0.0298325302 else \Rightarrow .
	else \Rightarrow

Response R(beta, 0)	
Prediction Expression	
	$\begin{cases} 0.05 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.1 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.017782686 \\ \text{"mnb"} \Rightarrow 0.0010383202 \\ \text{"sgd"} \Rightarrow 0.0167443654 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.15 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.028254076 \\ \text{"mnb"} \Rightarrow 0.0022069439 \\ \text{"sgd"} \Rightarrow 0.026047132 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.2 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.002102809 \\ \text{"mnb"} \Rightarrow -0.00274964 \\ \text{"sgd"} \Rightarrow 0.0048524487 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.25 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.003387992 \\ \text{"mnb"} \Rightarrow -0.014205757 \\ \text{"sgd"} \Rightarrow 0.0175937494 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.3 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.020083814 \\ \text{"mnb"} \Rightarrow 0.0198627901 \\ \text{"sgd"} \Rightarrow 0.0002210238 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
"NNAR" \Rightarrow Match(alpha)	$\begin{cases} 0.35 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.009374646 \\ \text{"mnb"} \Rightarrow -0.020461992 \\ \text{"sgd"} \Rightarrow 0.0298366388 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.4 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.034392887 \\ \text{"mnb"} \Rightarrow -0.013025161 \\ \text{"sgd"} \Rightarrow 0.0474180475 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.018441361 \\ \text{"mnb"} \Rightarrow 0.0034317822 \end{array} \right) \end{cases}$

Response R(beta, 0)**Prediction Expression**

		$0.45 \Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.015009579 \\ "mnb" \Rightarrow -0.007719293 \\ "sgd" \Rightarrow 0.0023457847 \\ \text{else} \Rightarrow . \end{cases}$
		$0.5 \Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.011926771 \\ "mnb" \Rightarrow 0.0553508129 \\ "sgd" \Rightarrow 0.0053735086 \\ \text{else} \Rightarrow . \end{cases}$
		$0.55 \Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.012289099 \\ "mnb" \Rightarrow 0.0223654115 \\ "sgd" \Rightarrow -0.010076312 \\ \text{else} \Rightarrow . \end{cases}$
		$0.6 \Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0030668388 \\ "mnb" \Rightarrow 0.0171445873 \\ "sgd" \Rightarrow -0.020211426 \\ \text{else} \Rightarrow . \end{cases}$
		$0.65 \Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.000313956 \\ "mnb" \Rightarrow -0.002130818 \\ "sgd" \Rightarrow 0.0018168619 \\ \text{else} \Rightarrow . \end{cases}$
		else	$\Rightarrow .$
		$0.1 \Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
		$0.2 \Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.009849308 \\ "mnb" \Rightarrow -0.001136038 \\ "sgd" \Rightarrow 0.0109853466 \\ \text{else} \Rightarrow . \end{cases}$
		$0.3 \Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0185055384 \\ "mnb" \Rightarrow -0.012655586 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

$0.4 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"sgd"} \Rightarrow -0.005849952 \\ \text{"lstm"} \Rightarrow 0.0445442321 \\ \text{"mnb"} \Rightarrow -0.015917258 \\ \text{"else"} \Rightarrow . \end{cases}$
$0.5 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"sgd"} \Rightarrow -0.028626974 \\ \text{"lstm"} \Rightarrow 0.0370707705 \\ \text{"mnb"} \Rightarrow -0.021186106 \\ \text{"else"} \Rightarrow . \end{cases}$
$+ \text{Match}(\beta)$	$\begin{cases} \text{"sgd"} \Rightarrow -0.015884664 \\ \text{"lstm"} \Rightarrow 0.0395734381 \\ \text{"mnb"} \Rightarrow -0.022420736 \\ \text{"else"} \Rightarrow . \end{cases}$
$0.6 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"sgd"} \Rightarrow -0.017152702 \\ \text{"lstm"} \Rightarrow 0.086463619 \\ \text{"mnb"} \Rightarrow -0.04201059 \\ \text{"else"} \Rightarrow . \end{cases}$
$0.7 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"sgd"} \Rightarrow -0.041914138 \\ \text{"lstm"} \Rightarrow 0.077978562 \\ \text{"mnb"} \Rightarrow -0.036064424 \\ \text{"else"} \Rightarrow . \end{cases}$
$0.8 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"sgd"} \Rightarrow -0.047943191 \\ \text{"lstm"} \Rightarrow 0.0793181087 \\ \text{"mnb"} \Rightarrow -0.031374918 \\ \text{"else"} \Rightarrow . \end{cases}$
$0.9 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"sgd"} \Rightarrow 0 \\ \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"else"} \Rightarrow . \end{cases}$
$1 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"sgd"} \Rightarrow 0 \\ \text{"lstm"} \Rightarrow -0.012344446 \\ \text{"mnb"} \Rightarrow 0.0091632613 \\ \text{"else"} \Rightarrow . \end{cases}$
$\text{else} \Rightarrow .$	
	$\left(\begin{array}{c} \text{0.1} \Rightarrow \text{Match}(f_0) \\ \text{0.2} \Rightarrow \text{Match}(f_0) \end{array} \right) \begin{cases} \text{"sgd"} \Rightarrow 0 \\ \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"else"} \Rightarrow . \end{cases}$

Response R(beta, 0)	
Prediction Expression	
	else $\Rightarrow .$
0.3 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.011730664 \\ "mnb" \Rightarrow 0.0216318966 \\ "sgd" \Rightarrow -0.009901232 \\ \text{else} \Rightarrow . \end{cases}$
0.4 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.014844681 \\ "mnb" \Rightarrow 0.0251868986 \\ "sgd" \Rightarrow -0.010342218 \\ \text{else} \Rightarrow . \end{cases}$
0.5 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.015060336 \\ "mnb" \Rightarrow 0.0286155707 \\ "sgd" \Rightarrow -0.013555235 \\ \text{else} \Rightarrow . \end{cases}$
"NAR" $\Rightarrow \text{Match}(\beta)$	$\begin{cases} "lstm" \Rightarrow -0.018124833 \\ "mnb" \Rightarrow 0.0322044173 \\ "sgd" \Rightarrow -0.014079585 \\ \text{else} \Rightarrow . \end{cases}$
0.6 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.014502754 \\ "mnb" \Rightarrow 0.0292624195 \\ "sgd" \Rightarrow -0.014759665 \\ \text{else} \Rightarrow . \end{cases}$
0.8 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.016063229 \\ "mnb" \Rightarrow 0.0332636673 \\ "sgd" \Rightarrow -0.017200438 \\ \text{else} \Rightarrow . \end{cases}$
0.9 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.014342746 \\ "mnb" \Rightarrow 0.030342248 \\ "sgd" \Rightarrow -0.015999502 \\ \text{else} \Rightarrow . \end{cases}$
1 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow -0.007597205 \\ "mnb" \Rightarrow 0.0265501716 \\ "sgd" \Rightarrow -0.018952967 \\ \text{else} \Rightarrow . \end{cases}$
	else $\Rightarrow .$

Response R(beta, 0)**Prediction Expression**

$+ \text{Match}(T)$	$ \begin{aligned} & 0.1 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.2 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0086439868 \\ \text{"mnb"} \Rightarrow -0.018145677 \\ \text{"sgd"} \Rightarrow 0.0095016898 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.3 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.008506222 \\ \text{"mnb"} \Rightarrow -0.02489336 \\ \text{"sgd"} \Rightarrow 0.0163871385 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.4 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0116994523 \\ \text{"mnb"} \Rightarrow -0.028948917 \\ \text{"sgd"} \Rightarrow 0.0172494643 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.5 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0123145728 \\ \text{"mnb"} \Rightarrow -0.029330737 \\ \text{"sgd"} \Rightarrow 0.0170161643 \\ \text{else} \Rightarrow . \end{array} \right) \\ & "NCAR" \Rightarrow \text{Match}(\beta) \\ & 0.6 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0162797068 \\ \text{"mnb"} \Rightarrow -0.033045709 \\ \text{"sgd"} \Rightarrow 0.0167660018 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.7 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0131113573 \\ \text{"mnb"} \Rightarrow -0.030095452 \\ \text{"sgd"} \Rightarrow 0.0169840947 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.8 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0160738639 \\ \text{"mnb"} \Rightarrow -0.033112382 \\ \text{"sgd"} \Rightarrow 0.0170385181 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.9 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0120592728 \\ \text{"mnb"} \Rightarrow -0.030376578 \\ \text{...} \Rightarrow 0.0169840947 \end{array} \right) \end{aligned} $
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Response R(beta, 0)	
Prediction Expression	
	$\begin{cases} "sgd" \Rightarrow 0.0183173047 \\ \text{else} \Rightarrow . \end{cases}$
1	$1 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0112464494 \\ "mnb" \Rightarrow -0.028762406 \\ "sgd" \Rightarrow 0.0175159571 \\ \text{else} \Rightarrow . \end{array} \right)$
0.1	$0.1 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right)$
0.2	$0.2 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0037004595 \\ "mnb" \Rightarrow 0.0089824152 \\ "sgd" \Rightarrow -0.012682875 \\ \text{else} \Rightarrow . \end{array} \right)$
0.3	$0.3 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0032244423 \\ "mnb" \Rightarrow 0.0032614639 \\ "sgd" \Rightarrow -0.006485906 \\ \text{else} \Rightarrow . \end{array} \right)$
0.4	$0.4 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0031452284 \\ "mnb" \Rightarrow 0.003762018 \\ "sgd" \Rightarrow -0.006907246 \\ \text{else} \Rightarrow . \end{array} \right)$
0.5	$0.5 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0027457628 \\ "mnb" \Rightarrow 0.0007151664 \\ "sgd" \Rightarrow -0.003460929 \\ \text{else} \Rightarrow . \end{array} \right)$
"NNAR" \Rightarrow Match(beta)	$\text{"NNAR"} \Rightarrow \text{Match}(\beta) \left(\begin{array}{l} "lstm" \Rightarrow 0.0018451259 \\ "mnb" \Rightarrow 0.0008412913 \\ "sgd" \Rightarrow -0.002686417 \\ \text{else} \Rightarrow . \end{array} \right)$
0.6	$0.6 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0013913968 \\ "mnb" \Rightarrow 0.0008330325 \\ "sgd" \Rightarrow -0.002224429 \\ \text{else} \Rightarrow . \end{array} \right)$
0.7	$0.7 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0013913968 \\ "mnb" \Rightarrow 0.0008330325 \\ "sgd" \Rightarrow -0.002224429 \\ \text{else} \Rightarrow . \end{array} \right)$

Response R(beta, 0)	
Prediction Expression	
0.8 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow -1.063484e-5 \\ "mnb" \Rightarrow -0.000151285 \\ "sgd" \Rightarrow 0.0001619201 \\ \text{else} \Rightarrow . \end{cases}$
0.9 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.0022834734 \\ "mnb" \Rightarrow 0.0000343295 \\ "sgd" \Rightarrow -0.002317803 \\ \text{else} \Rightarrow . \end{cases}$
1 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow -0.003649245 \\ "mnb" \Rightarrow 0.0022122349 \\ "sgd" \Rightarrow 0.0014370099 \\ \text{else} \Rightarrow . \end{cases}$
else	$\Rightarrow .$
0.1 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.2 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$

Prediction Expression	Value
$0.05 \Rightarrow \text{Match}(\text{beta})$	$\begin{cases} \text{lstm} & \Rightarrow 0 \\ \text{mnb} & \Rightarrow 0 \\ \text{sgd} & \Rightarrow 0 \\ \text{else} & \Rightarrow . \end{cases}$
$0.6 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{lstm} & \Rightarrow 0 \\ \text{mnb} & \Rightarrow 0 \\ \text{sgd} & \Rightarrow 0 \\ \text{else} & \Rightarrow . \end{cases}$
$0.7 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{lstm} & \Rightarrow 0 \\ \text{mnb} & \Rightarrow 0 \\ \text{sgd} & \Rightarrow 0 \\ \text{else} & \Rightarrow . \end{cases}$
$0.8 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{lstm} & \Rightarrow 0 \\ \text{mnb} & \Rightarrow 0 \\ \text{sgd} & \Rightarrow 0 \\ \text{else} & \Rightarrow . \end{cases}$
$0.9 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{lstm} & \Rightarrow 0 \\ \text{mnb} & \Rightarrow 0 \\ \text{sgd} & \Rightarrow 0 \\ \text{else} & \Rightarrow . \end{cases}$
$1 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{lstm} & \Rightarrow 0 \\ \text{mnb} & \Rightarrow 0 \\ \text{sgd} & \Rightarrow 0 \\ \text{else} & \Rightarrow . \end{cases}$
$\text{else} \Rightarrow .$	
$0.1 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{lstm} & \Rightarrow 0 \\ \text{mnb} & \Rightarrow 0 \\ \text{sgd} & \Rightarrow 0 \\ \text{else} & \Rightarrow . \end{cases}$
$0.2 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{lstm} & \Rightarrow 0.0370732958 \\ \text{mnb} & \Rightarrow -0.015577889 \\ \text{sgd} & \Rightarrow -0.021495407 \\ \text{else} & \Rightarrow . \end{cases}$
$0.3 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{lstm} & \Rightarrow 0.0428305198 \\ \text{mnb} & \Rightarrow -0.027069431 \\ \text{sgd} & \Rightarrow -0.015761089 \\ \text{else} & \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

		$0.4 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0456875732 \\ \text{"mnb"} \Rightarrow -0.028078082 \\ \text{"sgd"} \Rightarrow -0.017609491 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.5 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0544355605 \\ \text{"mnb"} \Rightarrow -0.040478646 \\ \text{"sgd"} \Rightarrow -0.013956915 \\ \text{else} \Rightarrow . \end{array} \right)$
	$0.1 \Rightarrow \text{Match}(\beta)$	$0.6 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0899365878 \\ \text{"mnb"} \Rightarrow -0.047071187 \\ \text{"sgd"} \Rightarrow -0.042865401 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.7 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0913243323 \\ \text{"mnb"} \Rightarrow -0.046263253 \\ \text{"sgd"} \Rightarrow -0.04506108 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.8 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0719889062 \\ \text{"mnb"} \Rightarrow -0.04073071 \\ \text{"sgd"} \Rightarrow -0.031258196 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.9 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0990825363 \\ \text{"mnb"} \Rightarrow -0.052853463 \\ \text{"sgd"} \Rightarrow -0.046229073 \\ \text{else} \Rightarrow . \end{array} \right)$
		$1 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.105209235 \\ \text{"mnb"} \Rightarrow -0.048407429 \\ \text{"sgd"} \Rightarrow -0.056801806 \\ \text{else} \Rightarrow . \end{array} \right)$
		$\text{else} \Rightarrow .$
		$0.1 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right)$
		. . .
		$\left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0232128479 \\ \text{"mnb"} \Rightarrow -0.013876299 \end{array} \right)$

Response R(beta, 0)**Prediction Expression**

0.2 \Rightarrow Match(f()	$\begin{cases} "sgd" \Rightarrow -0.009336549 \\ \text{else} \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f()	$\begin{cases} "lstm" \Rightarrow 0.0368549262 \\ "mnb" \Rightarrow -0.01570127 \\ "sgd" \Rightarrow -0.021153656 \\ \text{else} \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(f()	$\begin{cases} "lstm" \Rightarrow 0.0479193968 \\ "mnb" \Rightarrow -0.022838137 \\ "sgd" \Rightarrow -0.02508126 \\ \text{else} \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(f()	$\begin{cases} "lstm" \Rightarrow 0.053593496 \\ "mnb" \Rightarrow -0.029774121 \\ "sgd" \Rightarrow -0.023819375 \\ \text{else} \Rightarrow . \end{cases}$
0.15 \Rightarrow Match(beta)	$\begin{cases} "lstm" \Rightarrow 0.088168059 \\ "mnb" \Rightarrow -0.044292628 \\ "sgd" \Rightarrow -0.043875431 \\ \text{else} \Rightarrow . \end{cases}$
0.6 \Rightarrow Match(f()	$\begin{cases} "lstm" \Rightarrow 0.1061841795 \\ "mnb" \Rightarrow -0.052684722 \\ "sgd" \Rightarrow -0.053499458 \\ \text{else} \Rightarrow . \end{cases}$
0.7 \Rightarrow Match(f()	$\begin{cases} "lstm" \Rightarrow 0.0929887498 \\ "mnb" \Rightarrow -0.049099255 \\ "sgd" \Rightarrow -0.043889495 \\ \text{else} \Rightarrow . \end{cases}$
0.8 \Rightarrow Match(f()	$\begin{cases} "lstm" \Rightarrow 0.1279152393 \\ "mnb" \Rightarrow -0.068896126 \\ "sgd" \Rightarrow -0.059019114 \\ \text{else} \Rightarrow . \end{cases}$
1 \Rightarrow Match(f()	$\begin{cases} "lstm" \Rightarrow 0.1453528428 \\ "mnb" \Rightarrow -0.073295663 \\ "sgd" \Rightarrow -0.072057179 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

		$\text{else} \Rightarrow .$
	$0.1 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
	$0.2 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0313792828 \\ \text{"mnb"} \Rightarrow -0.007570079 \\ \text{"sgd"} \Rightarrow -0.023809203 \\ \text{else} \Rightarrow . \end{cases}$
	$0.3 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0530344668 \\ \text{"mnb"} \Rightarrow -0.021501152 \\ \text{"sgd"} \Rightarrow -0.031533315 \\ \text{else} \Rightarrow . \end{cases}$
	$0.4 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0610845097 \\ \text{"mnb"} \Rightarrow -0.021357329 \\ \text{"sgd"} \Rightarrow -0.039727181 \\ \text{else} \Rightarrow . \end{cases}$
	$0.5 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0680508238 \\ \text{"mnb"} \Rightarrow -0.035045879 \\ \text{"sgd"} \Rightarrow -0.033004945 \\ \text{else} \Rightarrow . \end{cases}$
$0.2 \Rightarrow \text{Match}(\beta)$		$\begin{cases} \text{"lstm"} \Rightarrow 0.101882498 \\ \text{"mnb"} \Rightarrow -0.045366554 \\ \text{"sgd"} \Rightarrow -0.056515944 \\ \text{else} \Rightarrow . \end{cases}$
	$0.6 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1279175508 \\ \text{"mnb"} \Rightarrow -0.052021389 \\ \text{"sgd"} \Rightarrow -0.075896162 \\ \text{else} \Rightarrow . \end{cases}$
	$0.7 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1026944428 \\ \text{"mnb"} \Rightarrow -0.042084178 \\ \text{"sgd"} \Rightarrow -0.060610265 \\ \text{else} \Rightarrow . \end{cases}$
	$0.8 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1457587379 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

0.9 \Rightarrow Match(f0)	$\begin{cases} "mnb" \Rightarrow -0.067815909 \\ "sgd" \Rightarrow -0.077942829 \\ \text{else} \Rightarrow . \end{cases}$
1 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.1813873035 \\ "mnb" \Rightarrow -0.078138966 \\ "sgd" \Rightarrow -0.103248338 \\ \text{else} \Rightarrow . \end{cases}$
else \Rightarrow .	
0.1 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.2 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.034052949 \\ "mnb" \Rightarrow -0.008666549 \\ "sgd" \Rightarrow -0.0253864 \\ \text{else} \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0585304085 \\ "mnb" \Rightarrow -0.01957754 \\ "sgd" \Rightarrow -0.038952868 \\ \text{else} \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0718654569 \\ "mnb" \Rightarrow -0.031900992 \\ "sgd" \Rightarrow -0.039964465 \\ \text{else} \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0715465998 \\ "mnb" \Rightarrow -0.044343768 \\ "sgd" \Rightarrow -0.027202832 \\ \text{else} \Rightarrow . \end{cases}$
0.25 \Rightarrow Match(beta)	$\begin{cases} "lstm" \Rightarrow 0.1146507455 \\ "mnb" \Rightarrow -0.052594879 \\ "sgd" \Rightarrow -0.062055867 \\ \text{else} \Rightarrow . \end{cases}$
0.6 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.137709108 \\ "mnb" \Rightarrow -0.070314411 \\ "sgd" \Rightarrow -0.0877001607 \\ \text{else} \Rightarrow . \end{cases}$
0.7 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.137709108 \\ "mnb" \Rightarrow -0.070314411 \\ "sgd" \Rightarrow -0.0877001607 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

		$\begin{cases} "sgd" \Rightarrow -0.067394697 \\ \text{else} \Rightarrow . \end{cases}$
0.8 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.1221555127 \\ "mnb" \Rightarrow -0.066224886 \\ "sgd" \Rightarrow -0.055930627 \\ \text{else} \Rightarrow . \end{cases}$
0.9 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.1693683365 \\ "mnb" \Rightarrow -0.090611323 \\ "sgd" \Rightarrow -0.078757013 \\ \text{else} \Rightarrow . \end{cases}$
1 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.1954997166 \\ "mnb" \Rightarrow -0.096771678 \\ "sgd" \Rightarrow -0.098728038 \\ \text{else} \Rightarrow . \end{cases}$
		$\text{else} \Rightarrow .$
0.1 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.2 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0377444653 \\ "mnb" \Rightarrow -0.011841968 \\ "sgd" \Rightarrow -0.025902497 \\ \text{else} \Rightarrow . \end{cases}$
0.3 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0500985239 \\ "mnb" \Rightarrow -0.028343427 \\ "sgd" \Rightarrow -0.021755096 \\ \text{else} \Rightarrow . \end{cases}$
0.4 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0646758268 \\ "mnb" \Rightarrow -0.033751912 \\ "sgd" \Rightarrow -0.030923915 \\ \text{else} \Rightarrow . \end{cases}$
0.5 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0674583308 \\ "mnb" \Rightarrow -0.045528648 \\ "sgd" \Rightarrow -0.021929682 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

	0.3 $\Rightarrow \text{Match}(\beta)$	$\begin{cases} \text{lstm} \Rightarrow 0.1089495591 \\ \text{mnb} \Rightarrow -0.068796244 \\ \text{sgd} \Rightarrow -0.040153316 \\ \text{else} \Rightarrow . \end{cases}$
	0.6 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.132266131 \\ \text{mnb} \Rightarrow -0.075265665 \\ \text{sgd} \Rightarrow -0.057000466 \\ \text{else} \Rightarrow . \end{cases}$
	0.7 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.1303655751 \\ \text{mnb} \Rightarrow -0.072032214 \\ \text{sgd} \Rightarrow -0.058333361 \\ \text{else} \Rightarrow . \end{cases}$
	0.8 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.1775947514 \\ \text{mnb} \Rightarrow -0.097439118 \\ \text{sgd} \Rightarrow -0.080155634 \\ \text{else} \Rightarrow . \end{cases}$
	0.9 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.207350519 \\ \text{mnb} \Rightarrow -0.103759914 \\ \text{sgd} \Rightarrow -0.103590605 \\ \text{else} \Rightarrow . \end{cases}$
	1 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
	0.1 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
	0.2 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.0251461042 \\ \text{mnb} \Rightarrow -0.022103849 \\ \text{sgd} \Rightarrow -0.003042255 \\ \text{else} \Rightarrow . \end{cases}$
	0.3 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.0353698513 \\ \text{mnb} \Rightarrow -0.035725682 \\ \text{sgd} \Rightarrow 0.0003558305 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

$+ \text{Match}(\alpha)$	$0.35 \Rightarrow \text{Match}(\beta)$	$0.4 \Rightarrow \text{Match}(f())$	$"\text{lstm"} \Rightarrow 0.045664759$ $"\text{mnb"} \Rightarrow -0.04043198$ $"\text{sgd"} \Rightarrow -0.005452779$ $\text{else} \Rightarrow .$
		$0.5 \Rightarrow \text{Match}(f())$	$"\text{lstm"} \Rightarrow 0.0548986122$ $"\text{mnb"} \Rightarrow -0.057305356$ $"\text{sgd"} \Rightarrow 0.0024067438$ $\text{else} \Rightarrow .$
		$0.6 \Rightarrow \text{Match}(f())$	$"\text{lstm"} \Rightarrow 0.0882479327$ $"\text{mnb"} \Rightarrow -0.063820723$ $"\text{sgd"} \Rightarrow -0.02442721$ $\text{else} \Rightarrow .$
		$0.7 \Rightarrow \text{Match}(f())$	$"\text{lstm"} \Rightarrow 0.1310450619$ $"\text{mnb"} \Rightarrow -0.086716931$ $"\text{sgd"} \Rightarrow -0.044328131$ $\text{else} \Rightarrow .$
		$0.8 \Rightarrow \text{Match}(f())$	$"\text{lstm"} \Rightarrow 0.1229823077$ $"\text{mnb"} \Rightarrow -0.088738717$ $"\text{sgd"} \Rightarrow -0.034243591$ $\text{else} \Rightarrow .$
		$0.9 \Rightarrow \text{Match}(f())$	$"\text{lstm"} \Rightarrow 0.1751094565$ $"\text{mnb"} \Rightarrow -0.118997939$ $"\text{sgd"} \Rightarrow -0.056111517$ $\text{else} \Rightarrow .$
		$1 \Rightarrow \text{Match}(f())$	$"\text{lstm"} \Rightarrow 0.20153917$ $"\text{mnb"} \Rightarrow -0.127436377$ $"\text{sgd"} \Rightarrow -0.074102793$ $\text{else} \Rightarrow .$
			$\text{else} \Rightarrow .$
		$0.1 \Rightarrow \text{Match}(f())$	$"\text{lstm"} \Rightarrow 0$ $"\text{mnb"} \Rightarrow 0$ $"\text{sgd"} \Rightarrow 0$ $\text{else} \Rightarrow .$
			$"\text{lstm"} \Rightarrow 0.0097148307$ $"\text{mnb"} \Rightarrow -0.020653383$

Response R(beta, 0)**Prediction Expression**

0.2 \Rightarrow Match(f0)	$\begin{cases} "sgd" \Rightarrow 0.0109385525 \\ "else" \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0141146722 \\ "mnb" \Rightarrow -0.038555863 \\ "sgd" \Rightarrow 0.0244411909 \\ "else" \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0197443808 \\ "mnb" \Rightarrow -0.045307262 \\ "sgd" \Rightarrow 0.0255628807 \\ "else" \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0212948402 \\ "mnb" \Rightarrow -0.055331406 \\ "sgd" \Rightarrow 0.0340365662 \\ "else" \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(beta)	$\begin{cases} "lstm" \Rightarrow 0.0661438074 \\ "mnb" \Rightarrow -0.075734611 \\ "sgd" \Rightarrow 0.0095908038 \\ "else" \Rightarrow . \end{cases}$
0.6 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.1004646826 \\ "mnb" \Rightarrow -0.095802578 \\ "sgd" \Rightarrow -0.004662104 \\ "else" \Rightarrow . \end{cases}$
0.8 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0993888367 \\ "mnb" \Rightarrow -0.095608039 \\ "sgd" \Rightarrow -0.003780797 \\ "else" \Rightarrow . \end{cases}$
0.9 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.1497049001 \\ "mnb" \Rightarrow -0.122899868 \\ "sgd" \Rightarrow -0.026805032 \\ "else" \Rightarrow . \end{cases}$
1 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.1832283264 \\ "mnb" \Rightarrow -0.136060623 \\ "sgd" \Rightarrow -0.047167703 \\ "else" \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

	$\text{else} \Rightarrow .$
0.1 $\Rightarrow \text{Match}(f()$	$\begin{cases} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.2 $\Rightarrow \text{Match}(f()$	$\begin{cases} \text{"lstm"} \Rightarrow -0.00173271 \\ \text{"mnb"} \Rightarrow -0.014392799 \\ \text{"sgd"} \Rightarrow 0.0161255089 \\ \text{else} \Rightarrow . \end{cases}$
0.3 $\Rightarrow \text{Match}(f()$	$\begin{cases} \text{"lstm"} \Rightarrow -0.00596113 \\ \text{"mnb"} \Rightarrow -0.037139775 \\ \text{"sgd"} \Rightarrow 0.0431009045 \\ \text{else} \Rightarrow . \end{cases}$
0.4 $\Rightarrow \text{Match}(f()$	$\begin{cases} \text{"lstm"} \Rightarrow -0.002700872 \\ \text{"mnb"} \Rightarrow -0.037265654 \\ \text{"sgd"} \Rightarrow 0.0399665263 \\ \text{else} \Rightarrow . \end{cases}$
0.5 $\Rightarrow \text{Match}(f()$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0089992244 \\ \text{"mnb"} \Rightarrow -0.055524946 \\ \text{"sgd"} \Rightarrow 0.0465257217 \\ \text{else} \Rightarrow . \end{cases}$
0.45 $\Rightarrow \text{Match}(\beta)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0558812692 \\ \text{"mnb"} \Rightarrow -0.076920958 \\ \text{"sgd"} \Rightarrow 0.0210396887 \\ \text{else} \Rightarrow . \end{cases}$
0.6 $\Rightarrow \text{Match}(f()$	$\begin{cases} \text{"lstm"} \Rightarrow 0.090862404 \\ \text{"mnb"} \Rightarrow -0.09282352 \\ \text{"sgd"} \Rightarrow 0.0019611161 \\ \text{else} \Rightarrow . \end{cases}$
0.7 $\Rightarrow \text{Match}(f()$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0912843988 \\ \text{"mnb"} \Rightarrow -0.094418387 \\ \text{"sgd"} \Rightarrow 0.0031339881 \\ \text{else} \Rightarrow . \end{cases}$
	$\begin{cases} \text{"lstm"} \Rightarrow 0.1381373171 \end{cases}$

Response R(beta, 0)**Prediction Expression**

	$0.9 \Rightarrow \text{Match}(f())$	$\begin{cases} "mnb" \Rightarrow -0.117627747 \\ "sgd" \Rightarrow -0.02050957 \\ \text{else} \Rightarrow . \end{cases}$
	$1 \Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow 0.1834244633 \\ "mnb" \Rightarrow -0.137779798 \\ "sgd" \Rightarrow -0.045644666 \\ \text{else} \Rightarrow . \end{cases}$
	$0.1 \Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
	$0.2 \Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.022553155 \\ "mnb" \Rightarrow -0.019359275 \\ "sgd" \Rightarrow 0.0419124301 \\ \text{else} \Rightarrow . \end{cases}$
	$0.3 \Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.041730134 \\ "mnb" \Rightarrow -0.043390055 \\ "sgd" \Rightarrow 0.0851201886 \\ \text{else} \Rightarrow . \end{cases}$
	$0.4 \Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.039429101 \\ "mnb" \Rightarrow -0.049590305 \\ "sgd" \Rightarrow 0.0890194062 \\ \text{else} \Rightarrow . \end{cases}$
	$0.5 \Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.038693572 \\ "mnb" \Rightarrow -0.062580905 \\ "sgd" \Rightarrow 0.1012744769 \\ \text{else} \Rightarrow . \end{cases}$
$0.5 \Rightarrow \text{Match}(\beta)$		$\begin{cases} "lstm" \Rightarrow 0.0038870023 \\ "mnb" \Rightarrow -0.072643375 \\ "sgd" \Rightarrow 0.0687563726 \\ \text{else} \Rightarrow . \end{cases}$
$0.6 \Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0381906663 \\ "mnb" \Rightarrow -0.086623547 \\ "sgd" \Rightarrow 0.0494228805 \\ \text{else} \Rightarrow . \end{cases}$
$0.7 \Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0381906663 \\ "mnb" \Rightarrow -0.086623547 \\ "sgd" \Rightarrow 0.0494228805 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

		$\begin{cases} \text{sgd} \Rightarrow 0.0484528805 \\ \text{else} \Rightarrow . \end{cases}$
0.8 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow 0.0335592893 \\ \text{"mnb"} \Rightarrow -0.087264694 \\ \text{"sgd"} \Rightarrow 0.053705405 \\ \text{else} \Rightarrow . \end{cases}$
0.9 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow 0.087361399 \\ \text{"mnb"} \Rightarrow -0.112638891 \\ \text{"sgd"} \Rightarrow 0.0252774923 \\ \text{else} \Rightarrow . \end{cases}$
1 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow 0.1317107135 \\ \text{"mnb"} \Rightarrow -0.131246134 \\ \text{"sgd"} \Rightarrow -0.00046458 \\ \text{else} \Rightarrow . \end{cases}$
		$\text{else} \Rightarrow .$
0.1 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.2 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow -0.041023685 \\ \text{"mnb"} \Rightarrow 0.0024614918 \\ \text{"sgd"} \Rightarrow 0.0385621935 \\ \text{else} \Rightarrow . \end{cases}$
0.3 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow -0.080428827 \\ \text{"mnb"} \Rightarrow -0.041736039 \\ \text{"sgd"} \Rightarrow 0.1221648656 \\ \text{else} \Rightarrow . \end{cases}$
0.4 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow -0.073691281 \\ \text{"mnb"} \Rightarrow -0.054166197 \\ \text{"sgd"} \Rightarrow 0.127857478 \\ \text{else} \Rightarrow . \end{cases}$
0.5 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow -0.071794121 \\ \text{"mnb"} \Rightarrow -0.06535221 \\ \text{"sgd"} \Rightarrow 0.1371463306 \\ \text{else} \Rightarrow . \end{cases}$

Response R(beta, 0)**Prediction Expression**

$0.55 \Rightarrow \text{Match}(\beta)$ $0.6 \Rightarrow \text{Match}(f())$ $0.7 \Rightarrow \text{Match}(f())$ $0.8 \Rightarrow \text{Match}(f())$ $0.9 \Rightarrow \text{Match}(f())$ $1 \Rightarrow \text{Match}(f())$ $0.1 \Rightarrow \text{Match}(f())$ $0.2 \Rightarrow \text{Match}(f())$ $0.3 \Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.026090157 \\ "mnb" \Rightarrow -0.079083434 \\ "sgd" \Rightarrow 0.1051735902 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow 0.01400583 \\ "mnb" \Rightarrow -0.098348405 \\ "sgd" \Rightarrow 0.0843425751 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow 0.0119195676 \\ "mnb" \Rightarrow -0.104485247 \\ "sgd" \Rightarrow 0.0925656797 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow 0.0606693608 \\ "mnb" \Rightarrow -0.126439482 \\ "sgd" \Rightarrow 0.0657701214 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow 0.1136734635 \\ "mnb" \Rightarrow -0.151103043 \\ "sgd" \Rightarrow 0.0374295792 \\ \text{else} \Rightarrow . \end{cases}$ $\text{else} \Rightarrow .$ $\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow -0.083112798 \\ "mnb" \Rightarrow -0.033185279 \\ "sgd" \Rightarrow 0.1162980772 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow -0.127965939 \\ "mnb" \Rightarrow -0.064132542 \\ "sgd" \Rightarrow 0.1920984809 \\ \text{else} \Rightarrow . \end{cases}$ $"lstm" \Rightarrow -0.135060931$
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Response R(beta, 0)**Prediction Expression**

		$0.4 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.155000251 \\ \text{"mnb"} \Rightarrow -0.079708259 \\ \text{"sgd"} \Rightarrow 0.2147691892 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.5 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.141069873 \\ \text{"mnb"} \Rightarrow -0.095025672 \\ \text{"sgd"} \Rightarrow 0.236095545 \\ \text{else} \Rightarrow . \end{array} \right)$
	$0.6 \Rightarrow \text{Match}(\beta)$	$0.6 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.089810611 \\ \text{"mnb"} \Rightarrow -0.110972946 \\ \text{"sgd"} \Rightarrow 0.2007835571 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.7 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.056046462 \\ \text{"mnb"} \Rightarrow -0.131902674 \\ \text{"sgd"} \Rightarrow 0.1879491361 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.8 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.059241412 \\ \text{"mnb"} \Rightarrow -0.131888345 \\ \text{"sgd"} \Rightarrow 0.1911297574 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.9 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.000841677 \\ \text{"mnb"} \Rightarrow -0.16038165 \\ \text{"sgd"} \Rightarrow 0.1612233261 \\ \text{else} \Rightarrow . \end{array} \right)$
		$1 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow 0.0476324335 \\ \text{"mnb"} \Rightarrow -0.185834339 \\ \text{"sgd"} \Rightarrow 0.1382019054 \\ \text{else} \Rightarrow . \end{array} \right)$
		$\text{else} \Rightarrow .$
		$0.1 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right)$
		$\sqrt{\left(\begin{array}{l} \text{lstm} \Rightarrow -0.049637198 \\ \text{"mnb"} \Rightarrow 0.0316750016 \end{array} \right)}$

Response R(beta, 0)**Prediction Expression**

0.2 \Rightarrow Match(f0)	$\begin{cases} "sgd" \Rightarrow 0.0179621964 \\ "else" \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.120212734 \\ "mnb" \Rightarrow -0.022910638 \\ "sgd" \Rightarrow 0.1431233715 \\ "else" \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.153198219 \\ "mnb" \Rightarrow -0.049012564 \\ "sgd" \Rightarrow 0.2022107828 \\ "else" \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.150866604 \\ "mnb" \Rightarrow -0.073318304 \\ "sgd" \Rightarrow 0.2241849076 \\ "else" \Rightarrow . \end{cases}$
0.65 \Rightarrow Match(beta)	$\begin{cases} "lstm" \Rightarrow -0.102490686 \\ "mnb" \Rightarrow -0.09371721 \\ "sgd" \Rightarrow 0.1962078957 \\ "else" \Rightarrow . \end{cases}$
0.6 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.064363782 \\ "mnb" \Rightarrow -0.114520571 \\ "sgd" \Rightarrow 0.178884353 \\ "else" \Rightarrow . \end{cases}$
0.7 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.061497418 \\ "mnb" \Rightarrow -0.120413988 \\ "sgd" \Rightarrow 0.1819114064 \\ "else" \Rightarrow . \end{cases}$
0.8 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.002563255 \\ "mnb" \Rightarrow -0.151695305 \\ "sgd" \Rightarrow 0.1542585595 \\ "else" \Rightarrow . \end{cases}$
0.9 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0446426433 \\ "mnb" \Rightarrow -0.176778331 \\ "sgd" \Rightarrow 0.132135688 \\ "else" \Rightarrow . \end{cases}$
1 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0446426433 \\ "mnb" \Rightarrow -0.176778331 \\ "sgd" \Rightarrow 0.132135688 \\ "else" \Rightarrow . \end{cases}$

Response R(beta, 0)
Prediction Expression
$\begin{cases} \text{else } \Rightarrow . & \\ \text{else } \Rightarrow . & \end{cases}$