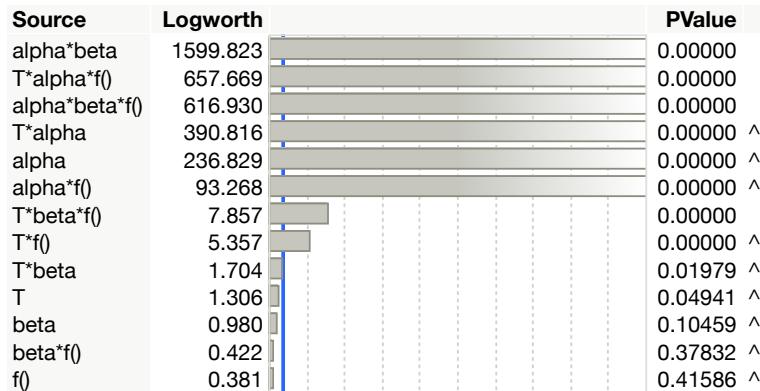


Response D(beta, 0)**Effect Summary****Summary of Fit**

RSquare	0.948619
RSquare Adj	0.946224
Root Mean Square Error	0.032408
Mean of Response	0.114649
Observations (or Sum Wgts)	11700

Analysis of Variance

Source	DF	Sum of Squares		F Ratio
		Mean Square	Prob > F	
Model	521	216.75243	0.416032	396.1068
Error	11178	11.74027	0.001050	<.0001*
C. Total	11699	228.49270		

Effect Tests

Source	Nparm	DF	Sum of Squares		
			F Ratio	Prob > F	
T	2	2	0.006319	3.0083	0.0494*
alpha	12	12	1.265262	100.3888	<.0001*
T*alpha	24	24	2.192596	86.9828	<.0001*
beta	9	9	0.015269	1.6153	0.1046
T*beta	18	18	0.034038	1.8005	0.0198*
alpha*beta	108	108	12.040047	106.1428	<.0001*
f()	2	2	0.001843	0.8775	0.4159
T*f()	4	4	0.031789	7.5666	<.0001*
alpha*f()	24	24	0.554977	22.0166	<.0001*
T*alpha*f()	48	48	3.974536	78.8372	<.0001*
beta*f()	18	18	0.020191	1.0680	0.3783
T*beta*f()	36	36	0.110007	2.9094	<.0001*
alpha*beta*f()	216	216	4.493380	19.8064	<.0001*

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

0.0025333333

$$+ \text{Match}(T) \begin{cases} \text{"NAR"} \Rightarrow -0.004620385 \\ \text{"NCAR"} \Rightarrow 0.0036565385 \\ \text{"NNAR"} \Rightarrow 0.0009638462 \\ \text{else} \Rightarrow . \end{cases}$$

$$+ \text{Match}(\alpha) \begin{cases} 0.05 \Rightarrow 0 \\ 0.1 \Rightarrow 0.00015 \\ 0.15 \Rightarrow 0.0020555556 \\ 0.2 \Rightarrow 0.0039444444 \\ 0.25 \Rightarrow 0.0066944444 \\ 0.3 \Rightarrow 0.0085388889 \\ 0.35 \Rightarrow 0.0126888889 \\ 0.4 \Rightarrow 0.0266277778 \\ 0.45 \Rightarrow 0.0465444444 \\ 0.5 \Rightarrow 0.0577277778 \\ 0.55 \Rightarrow 0.0751166667 \\ 0.6 \Rightarrow 0.0727722222 \\ 0.65 \Rightarrow 0.0979611111 \\ \text{else} \Rightarrow . \end{cases}$$

$$\begin{cases} \text{"NAR"} \Rightarrow \text{Match}(\alpha) \begin{cases} 0.05 \Rightarrow 0 \\ 0.1 \Rightarrow -0.000824444 \\ 0.15 \Rightarrow -0.001432778 \\ 0.2 \Rightarrow -0.003079444 \\ 0.25 \Rightarrow -0.003432778 \\ 0.3 \Rightarrow -0.000042778 \\ 0.35 \Rightarrow 0.0011466667 \\ 0.4 \Rightarrow -0.001668333 \\ 0.45 \Rightarrow 0.0068888889 \\ 0.5 \Rightarrow -0.001869444 \\ 0.55 \Rightarrow 0.0346994444 \\ 0.6 \Rightarrow 0.0455333333 \\ 0.65 \Rightarrow 0.0444911111 \\ \text{else} \Rightarrow . \end{cases} \\ 0.05 \Rightarrow 0 \\ 0.1 \Rightarrow -0.000417778 \\ 0.15 \Rightarrow 0.0009022222 \end{cases}$$

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

```

+ Match(T) "NCAR" => Match(alpha)
  0.2 => -0.001051111
  0.25 => -0.000904444
  0.3 => -0.003416111
  0.35 => -0.00365
  0.4 => -0.00841
  0.45 => -0.015221111
  0.5 => -0.004981111
  0.55 => -0.025765556
  0.6 => -0.022131667
  0.65 => -0.044427222
  else => .

  0.05 => 0
  0.1 => 0.0012422222
  0.15 => 0.0005305556
  0.2 => 0.0041305556
  0.25 => 0.0043372222
  0.3 => 0.0034588889
  0.35 => 0.0025033333
  0.4 => 0.0100783333
  0.45 => 0.0083322222
  0.5 => 0.0068505556
  0.55 => -0.008933889
  0.6 => -0.023401667
  0.65 => -0.000063889
  else => .

else => .

+ Match(beta)
  0.1 => 0
  0.2 => 0.0011166667
  0.3 => 0.00145
  0.4 => 0.0035444444
  0.5 => 0.0051111111
  0.6 => 0.0061333333
  0.7 => 0.0066166667
  0.8 => 0.0106666667
  0.9 => 0.0108666667
  1  => 0.0120833333
  else => .

```

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

	$\left(\begin{array}{l} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.005357265 \\ 0.3 \Rightarrow 0.0047025641 \\ 0.4 \Rightarrow 0.0062222222 \\ 0.5 \Rightarrow 0.0066260684 \\ "NAR" \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow 0.0068059829 \\ 0.7 \Rightarrow 0.0070358974 \\ 0.8 \Rightarrow 0.0072987179 \\ 0.9 \Rightarrow 0.0070217949 \\ 1 \Rightarrow 0.0075777778 \\ \text{else} \Rightarrow . \end{array} \right)$	
$+ \text{Match}(T)$	$\left(\begin{array}{l} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow -0.001356838 \\ 0.3 \Rightarrow -0.001179487 \\ 0.4 \Rightarrow -0.003461111 \\ 0.5 \Rightarrow -0.003975214 \\ "NCAR" \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow -0.00415812 \\ 0.7 \Rightarrow -0.004561538 \\ 0.8 \Rightarrow -0.005123077 \\ 0.9 \Rightarrow -0.005044872 \\ 1 \Rightarrow -0.00522735 \\ \text{else} \Rightarrow . \end{array} \right)$	
	$\left(\begin{array}{l} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow -0.004000427 \\ 0.3 \Rightarrow -0.003523077 \\ 0.4 \Rightarrow -0.002761111 \\ 0.5 \Rightarrow -0.002650855 \\ "NNAR" \Rightarrow \text{Match}(\beta) \\ 0.6 \Rightarrow -0.002647863 \\ 0.7 \Rightarrow -0.002474359 \\ 0.8 \Rightarrow -0.002175641 \\ 0.9 \Rightarrow -0.001976923 \\ 1 \Rightarrow -0.002350427 \\ \text{else} \Rightarrow . \end{array} \right)$	
	$\left(\begin{array}{l} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0 \end{array} \right)$	

Response D(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)	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0028388889 \\ 0.3 \Rightarrow 0.0060166667 \\ 0.4 \Rightarrow 0.0064388889 \\ 0.5 \Rightarrow 0.0096222222 \\ 0.6 \Rightarrow 0.0126388889 \\ 0.7 \Rightarrow 0.0137611111 \\ 0.8 \Rightarrow 0.0140222222 \\ 0.9 \Rightarrow 0.0171166667 \\ 1 \Rightarrow 0.0180888889 \\ \text{else} \Rightarrow . \end{cases}$
0.15 \Rightarrow Match(beta)	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0032 \\ 0.3 \Rightarrow 0.0066333333 \\ 0.4 \Rightarrow 0.0093444444 \\ 0.5 \Rightarrow 0.0123444444 \\ 0.6 \Rightarrow 0.0163388889 \\ 0.7 \Rightarrow 0.0201055556 \\ 0.8 \Rightarrow 0.02085 \\ 0.9 \Rightarrow 0.0268444444 \\ 1 \Rightarrow 0.0310277778 \\ \text{else} \Rightarrow . \end{cases}$
0.2 \Rightarrow Match(beta)	$\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0047444444 \\ 0.3 \Rightarrow 0.0106333333 \\ 0.4 \Rightarrow 0.0151944444 \\ 0.5 \Rightarrow 0.0197388889 \\ 0.6 \Rightarrow 0.0261166667 \end{cases}$

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

		$0.7 \Rightarrow 0.0308944444$
		$0.8 \Rightarrow 0.0318555556$
		$0.9 \Rightarrow 0.0405055556$
		$1 \Rightarrow 0.0480333333$
		$\text{else} \Rightarrow .$
		$0.1 \Rightarrow 0$
		$0.2 \Rightarrow 0.0066888889$
		$0.3 \Rightarrow 0.0147222222$
		$0.4 \Rightarrow 0.0224$
		$0.5 \Rightarrow 0.0288277778$
	$0.25 \Rightarrow \text{Match}(\beta)$	$0.6 \Rightarrow 0.0354944444$
		$0.7 \Rightarrow 0.0425777778$
		$0.8 \Rightarrow 0.0463222222$
		$0.9 \Rightarrow 0.0545444444$
		$1 \Rightarrow 0.0627888889$
		$\text{else} \Rightarrow .$
		$0.1 \Rightarrow 0$
		$0.2 \Rightarrow 0.0099888889$
		$0.3 \Rightarrow 0.0203777778$
		$0.4 \Rightarrow 0.0284777778$
		$0.5 \Rightarrow 0.0357166667$
	$0.3 \Rightarrow \text{Match}(\beta)$	$0.6 \Rightarrow 0.0440833333$
		$0.7 \Rightarrow 0.0520333333$
		$0.8 \Rightarrow 0.0585166667$
		$0.9 \Rightarrow 0.0683222222$
		$1 \Rightarrow 0.0771555556$
		$\text{else} \Rightarrow .$
		$0.1 \Rightarrow 0$
		$0.2 \Rightarrow 0.0137277778$
		$0.3 \Rightarrow 0.0258833333$
		$0.4 \Rightarrow 0.0347611111$
		$0.5 \Rightarrow 0.0455777778$
	$+ \text{Match}(\alpha)$	$0.6 \Rightarrow 0.054$
		$0.7 \Rightarrow 0.0653833333$
		$0.8 \Rightarrow 0.0719555556$
		$0.9 \Rightarrow 0.0847222222$
		$1 \Rightarrow 0.0952333333$

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

$0.4 \Rightarrow \text{Match}(\beta)$ $0.45 \Rightarrow \text{Match}(\beta)$ $0.5 \Rightarrow \text{Match}(\beta)$ $0.1 \Rightarrow 0$ $0.2 \Rightarrow 0.0511444444$	$\begin{cases} \text{else} \Rightarrow . \\ 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0179111111 \\ 0.3 \Rightarrow 0.0346388889 \\ 0.4 \Rightarrow 0.0463888889 \\ 0.5 \Rightarrow 0.0569611111 \\ 0.6 \Rightarrow 0.06835 \\ 0.7 \Rightarrow 0.0802722222 \\ 0.8 \Rightarrow 0.0889333333 \\ 0.9 \Rightarrow 0.1024666667 \\ 1 \Rightarrow 0.1151333333 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.0246833333 \\ 0.3 \Rightarrow 0.0457944444 \\ 0.4 \Rightarrow 0.0593333333 \\ 0.5 \Rightarrow 0.0740555556 \\ 0.6 \Rightarrow 0.0884888889 \\ 0.7 \Rightarrow 0.1007444444 \\ 0.8 \Rightarrow 0.1106777778 \\ 0.9 \Rightarrow 0.1250611111 \\ 1 \Rightarrow 0.1402944444 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} 0.1 \Rightarrow 0 \\ 0.2 \Rightarrow 0.03945 \\ 0.3 \Rightarrow 0.0719388889 \\ 0.4 \Rightarrow 0.0894111111 \\ 0.5 \Rightarrow 0.1065666667 \\ 0.6 \Rightarrow 0.1246333333 \\ 0.7 \Rightarrow 0.1379388889 \\ 0.8 \Rightarrow 0.14995 \\ 0.9 \Rightarrow 0.1654111111 \\ 1 \Rightarrow 0.1829166667 \\ \text{else} \Rightarrow . \end{cases}$
---	--

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

	$0.3 \Rightarrow 0.0984944444$
	$0.4 \Rightarrow 0.1253777778$
	$0.5 \Rightarrow 0.14415$
$0.55 \Rightarrow \text{Match}(\beta)$	$0.6 \Rightarrow 0.1615888889$
	$0.7 \Rightarrow 0.1778055556$
	$0.8 \Rightarrow 0.1898777778$
	$0.9 \Rightarrow 0.2046888889$
	$1 \Rightarrow 0.2248777778$
	$\text{else} \Rightarrow .$
	$0.1 \Rightarrow 0$
	$0.2 \Rightarrow 0.0883166667$
	$0.3 \Rightarrow 0.14815$
$0.6 \Rightarrow \text{Match}(\beta)$	$0.4 \Rightarrow 0.1804722222$
	$0.5 \Rightarrow 0.2034$
	$0.6 \Rightarrow 0.2257555556$
	$0.7 \Rightarrow 0.2439055556$
	$0.8 \Rightarrow 0.2568333333$
	$0.9 \Rightarrow 0.2752444444$
	$1 \Rightarrow 0.2960166667$
	$\text{else} \Rightarrow .$
	$0.1 \Rightarrow 0$
	$0.2 \Rightarrow 0.0798611111$
	$0.3 \Rightarrow 0.1688833333$
$0.65 \Rightarrow \text{Match}(\beta)$	$0.4 \Rightarrow 0.223$
	$0.5 \Rightarrow 0.2532888889$
	$0.6 \Rightarrow 0.2764666667$
	$0.7 \Rightarrow 0.2960444444$
	$0.8 \Rightarrow 0.3137055556$
	$0.9 \Rightarrow 0.3332888889$
	$1 \Rightarrow 0.3538555556$
	$\text{else} \Rightarrow .$
$+ \text{Match}(f_0)$	$"\text{lstm"} \Rightarrow 0.00635$
	$"\text{mnb"} \Rightarrow -0.002483333$
	$"\text{sgd"} \Rightarrow -0.003866667$
	$\text{else} \Rightarrow .$

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

$$\begin{aligned}
 & "NAR" \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0085701282 \\ "mnb" \Rightarrow -0.012665897 \\ "sgd" \Rightarrow 0.0040957692 \\ \text{else} \Rightarrow . \end{array} \right) \\
 + \text{Match}(T) & "NCAR" \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.00520141 \\ "mnb" \Rightarrow 0.0131052564 \\ "sgd" \Rightarrow -0.007903846 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & "NNAR" \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.003368718 \\ "mnb" \Rightarrow -0.000439359 \\ "sgd" \Rightarrow 0.0038080769 \\ \text{else} \Rightarrow . \end{array} \right) \\
 \text{else} & \Rightarrow . \\
 & 0.05 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & 0.1 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.001633333 \\ "mnb" \Rightarrow 0.0008833333 \\ "sgd" \Rightarrow 0.00075 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & 0.15 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0012777778 \\ "mnb" \Rightarrow -0.001372222 \\ "sgd" \Rightarrow 0.0000944444 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & 0.2 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0003722222 \\ "mnb" \Rightarrow -0.002011111 \\ "sgd" \Rightarrow 0.0016388889 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & 0.25 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0057555556 \\ "mnb" \Rightarrow -0.0057777778 \\ "sgd" \Rightarrow 0.0000222222 \\ \text{else} \Rightarrow . \end{array} \right) \\
 & \quad \quad \quad \left(\begin{array}{l} "lstm" \Rightarrow 0.0049777778 \\ "mnb" \Rightarrow -0.0037055556 \end{array} \right)
 \end{aligned}$$

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

$0.3 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"mnb"} \Rightarrow -0.005705550 \\ \text{"sgd"} \Rightarrow -0.001272222 \\ \text{else} \Rightarrow . \end{cases}$	
$+ \text{Match}(\alpha)$	$0.35 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0046944444 \\ \text{"mnb"} \Rightarrow -0.007638889 \\ \text{"sgd"} \Rightarrow 0.0029444444 \\ \text{else} \Rightarrow . \end{cases}$
	$0.4 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.002111111 \\ \text{"mnb"} \Rightarrow -0.013661111 \\ \text{"sgd"} \Rightarrow 0.0157722222 \\ \text{else} \Rightarrow . \end{cases}$
	$0.45 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.0228944444 \\ \text{"mnb"} \Rightarrow -0.030327778 \\ \text{"sgd"} \Rightarrow 0.0532222222 \\ \text{else} \Rightarrow . \end{cases}$
	$0.5 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.027927778 \\ \text{"mnb"} \Rightarrow -0.026827778 \\ \text{"sgd"} \Rightarrow 0.0547555556 \\ \text{else} \Rightarrow . \end{cases}$
	$0.55 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.0453 \\ \text{"mnb"} \Rightarrow -0.01235 \\ \text{"sgd"} \Rightarrow 0.05765 \\ \text{else} \Rightarrow . \end{cases}$
	$0.6 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.030905556 \\ \text{"mnb"} \Rightarrow 0.021277778 \\ \text{"sgd"} \Rightarrow 0.0096277778 \\ \text{else} \Rightarrow . \end{cases}$
	$0.65 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow -0.0605944444 \\ \text{"mnb"} \Rightarrow 0.0606222222 \\ \text{"sgd"} \Rightarrow -2.777778e-5 \\ \text{else} \Rightarrow . \end{cases}$
	$\text{else} \Rightarrow .$	
		$\left(\begin{array}{c} \text{0.05} \Rightarrow \text{Match}(f_0) \\ \begin{cases} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \end{cases} \end{array} \right)$

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

		$\begin{cases} "sgd" \Rightarrow . \\ \text{else} \Rightarrow . \end{cases}$
0.1	$\Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow 0.0048044444 \\ "mnb" \Rightarrow -0.000530556 \\ "sgd" \Rightarrow -0.004273889 \\ \text{else} \Rightarrow . \end{cases}$
0.15	$\Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow 0.0050227778 \\ "mnb" \Rightarrow -0.001252222 \\ "sgd" \Rightarrow -0.003770556 \\ \text{else} \Rightarrow . \end{cases}$
0.2	$\Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.004003889 \\ "mnb" \Rightarrow 0.0038111111 \\ "sgd" \Rightarrow 0.0001927778 \\ \text{else} \Rightarrow . \end{cases}$
0.25	$\Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.003310556 \\ "mnb" \Rightarrow 0.0050977778 \\ "sgd" \Rightarrow -0.001787222 \\ \text{else} \Rightarrow . \end{cases}$
0.3	$\Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow 0.0063211111 \\ "mnb" \Rightarrow -0.001543889 \\ "sgd" \Rightarrow -0.004777222 \\ \text{else} \Rightarrow . \end{cases}$
"NAR"	$\Rightarrow \text{Match}(\alpha)$	$\begin{cases} "lstm" \Rightarrow -0.001878333 \\ "mnb" \Rightarrow 0.0090383333 \\ "sgd" \Rightarrow -0.00716 \\ \text{else} \Rightarrow . \end{cases}$
0.35	$\Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.00367 \\ "mnb" \Rightarrow 0.018265 \\ "sgd" \Rightarrow -0.014595 \\ \text{else} \Rightarrow . \end{cases}$
0.4	$\Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.012295556 \\ "mnb" \Rightarrow 0.0128344444 \\ "sgd" \Rightarrow -0.000538889 \\ \text{else} \Rightarrow . \end{cases}$
0.45	$\Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow -0.006853889 \\ \text{else} \Rightarrow . \end{cases}$

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

0.5 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"mnb"} \Rightarrow 0.0371011111 \\ \text{"sgd"} \Rightarrow -0.030247222 \\ \text{else} \Rightarrow . \end{cases}$
0.55 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.043036111 \\ \text{"mnb"} \Rightarrow 0.0193055556 \\ \text{"sgd"} \Rightarrow 0.0237305556 \\ \text{else} \Rightarrow . \end{cases}$
0.6 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.049523333 \\ \text{"mnb"} \Rightarrow 0.053115 \\ \text{"sgd"} \Rightarrow -0.003591667 \\ \text{else} \Rightarrow . \end{cases}$
0.65 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.057899444 \\ \text{"mnb"} \Rightarrow 0.0721872222 \\ \text{"sgd"} \Rightarrow -0.014287778 \\ \text{else} \Rightarrow . \end{cases}$
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 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow -0.001122222 \\ \text{"mnb"} \Rightarrow 2.7777778e-6 \\ \text{"sgd"} \Rightarrow 0.0011194444 \\ \text{else} \Rightarrow . \end{cases}$
0.15 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0021277778 \\ \text{"mnb"} \Rightarrow -0.000262222 \\ \text{"sgd"} \Rightarrow -0.0018655556 \\ \text{else} \Rightarrow . \end{cases}$
0.2 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0019877778 \\ \text{"mnb"} \Rightarrow -0.002132222 \\ \text{"sgd"} \Rightarrow 0.0001444444 \\ \text{else} \Rightarrow . \end{cases}$
0.25 $\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0003361111 \\ \text{"mnb"} \Rightarrow -0.000870556 \end{cases}$

		$\text{Response D}(\beta, 0)$
	Prediction Expression	
		$\left(\begin{array}{l} "sgd" \Rightarrow 0.0005344444 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.3 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} "lstm" \Rightarrow -0.002075556 \\ "mnb" \Rightarrow -0.002395556 \\ "sgd" \Rightarrow 0.0044711111 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.35 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} "lstm" \Rightarrow 0.0030983333 \\ "mnb" \Rightarrow -0.00428 \\ "sgd" \Rightarrow 0.0011816667 \\ \text{else} \Rightarrow . \end{array} \right)$
	$"\text{NCAR"} \Rightarrow \text{Match}(\alpha)$	$0.4 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} "lstm" \Rightarrow 0.0157366667 \\ "mnb" \Rightarrow -0.011043333 \\ "sgd" \Rightarrow -0.004693333 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.45 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} "lstm" \Rightarrow 0.0172844444 \\ "mnb" \Rightarrow -0.008905556 \\ "sgd" \Rightarrow -0.008378889 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.5 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} "lstm" \Rightarrow 0.0051627778 \\ "mnb" \Rightarrow -0.032347222 \\ "sgd" \Rightarrow 0.0271844444 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.55 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} "lstm" \Rightarrow 0.0313338889 \\ "mnb" \Rightarrow -0.054364444 \\ "sgd" \Rightarrow 0.0230305556 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.6 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} "lstm" \Rightarrow 0.0265116667 \\ "mnb" \Rightarrow -0.06843 \\ "sgd" \Rightarrow 0.0419183333 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.65 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} "lstm" \Rightarrow 0.0576088889 \\ "mnb" \Rightarrow -0.092934444 \\ "sgd" \Rightarrow 0.0353255556 \\ \text{else} \Rightarrow . \end{array} \right)$
		$\text{else} \Rightarrow$

Response D(beta, 0)	
Prediction Expression	
	$\begin{cases} 0.05 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.1 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.003682222 \\ \text{"mnb"} \Rightarrow 0.0005277778 \\ \text{"sgd"} \Rightarrow 0.0031544444 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.15 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.007150556 \\ \text{"mnb"} \Rightarrow 0.0015144444 \\ \text{"sgd"} \Rightarrow 0.0056361111 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.2 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0020161111 \\ \text{"mnb"} \Rightarrow -0.001678889 \\ \text{"sgd"} \Rightarrow -0.000337222 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.25 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0029744444 \\ \text{"mnb"} \Rightarrow -0.004227222 \\ \text{"sgd"} \Rightarrow 0.0012527778 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.3 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.004245556 \\ \text{"mnb"} \Rightarrow 0.0039394444 \\ \text{"sgd"} \Rightarrow 0.0003061111 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
"NNAR" \Rightarrow Match(alpha)	$\begin{cases} 0.35 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.00122 \\ \text{"mnb"} \Rightarrow -0.004758333 \\ \text{"sgd"} \Rightarrow 0.0059783333 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} 0.4 \Rightarrow \text{Match}(f()) \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.012066667 \\ \text{"mnb"} \Rightarrow -0.007221667 \\ \text{"sgd"} \Rightarrow 0.0192883333 \\ \text{else} \Rightarrow . \end{array} \right) \end{cases}$
	$\begin{cases} \\ \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.004988889 \\ \text{"mnb"} \Rightarrow -0.003928889 \end{array} \right) \end{cases}$

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

		$0.45 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0089177778 \\ "mnb" \Rightarrow -0.004753889 \\ "sgd" \Rightarrow 0.0030627778 \\ \text{else} \Rightarrow . \end{array} \right)$	
		$0.5 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0016911111 \\ "mnb" \Rightarrow -0.004753889 \\ "sgd" \Rightarrow 0.0030627778 \\ \text{else} \Rightarrow . \end{array} \right)$	
		$0.55 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0117022222 \\ "mnb" \Rightarrow 0.0350588889 \\ "sgd" \Rightarrow -0.0467611111 \\ \text{else} \Rightarrow . \end{array} \right)$	
		$0.6 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0230116667 \\ "mnb" \Rightarrow 0.015315 \\ "sgd" \Rightarrow -0.0383266667 \\ \text{else} \Rightarrow . \end{array} \right)$	
		$0.65 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0002905556 \\ "mnb" \Rightarrow 0.0207472222 \\ "sgd" \Rightarrow -0.021037778 \\ \text{else} \Rightarrow . \end{array} \right)$	
		$\text{else} \Rightarrow .$	
		$0.1 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right)$	
		$0.2 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow -0.0012666667 \\ "mnb" \Rightarrow -0.00035 \\ "sgd" \Rightarrow 0.0016166667 \\ \text{else} \Rightarrow . \end{array} \right)$	
		$0.3 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} "lstm" \Rightarrow 0.0005333333 \\ "mnb" \Rightarrow -0.0006333333 \\ "sgd" \Rightarrow 0.0001 \\ \text{else} \Rightarrow . \end{array} \right)$	
		$,$	$\left(\begin{array}{l} "lstm" \Rightarrow 0.0040722222 \\ "mnb" \Rightarrow -0.0026611111 \end{array} \right)$

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

$$\begin{aligned}
 & 0.4 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"sgd"} \Rightarrow -0.001411111 \\ \text{"else"} \Rightarrow . \end{array} \right) \\
 & 0.5 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0087888889 \\ \text{"mnb"} \Rightarrow -0.003594444 \\ \text{"sgd"} \Rightarrow -0.005194444 \\ \text{"else"} \Rightarrow . \end{array} \right) \\
 & + \text{Match}(\beta) \\
 & 0.6 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0079166667 \\ \text{"mnb"} \Rightarrow -0.0045166667 \\ \text{"sgd"} \Rightarrow -0.0034 \\ \text{"else"} \Rightarrow . \end{array} \right) \\
 & 0.7 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0083666667 \\ \text{"mnb"} \Rightarrow -0.00475 \\ \text{"sgd"} \Rightarrow -0.0036166667 \\ \text{"else"} \Rightarrow . \end{array} \right) \\
 & 0.8 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0173666667 \\ \text{"mnb"} \Rightarrow -0.008683333 \\ \text{"sgd"} \Rightarrow -0.008683333 \\ \text{"else"} \Rightarrow . \end{array} \right) \\
 & 0.9 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0159333333 \\ \text{"mnb"} \Rightarrow -0.007833333 \\ \text{"sgd"} \Rightarrow -0.0081 \\ \text{"else"} \Rightarrow . \end{array} \right) \\
 & 1 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0165 \\ \text{"mnb"} \Rightarrow -0.0074666667 \\ \text{"sgd"} \Rightarrow -0.009033333 \\ \text{"else"} \Rightarrow . \end{array} \right) \\
 & \text{else} \Rightarrow .
 \end{aligned}$$

$$\left(\begin{array}{l} 0.1 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{"else"} \Rightarrow . \end{array} \right) \\ 0.2 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow -0.007913675 \\ \text{"mnb"} \Rightarrow 0.0038888889 \\ \text{"sgd"} \Rightarrow 0.0040247863 \end{array} \right) \end{array} \right)$$

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

		$\begin{cases} \text{else} & \Rightarrow . \\ \text{"lstm"} & \Rightarrow -0.007842308 \\ \text{"mnb"} & \Rightarrow 0.0101423077 \\ \text{"sgd"} & \Rightarrow -0.0023 \\ \text{else} & \Rightarrow . \end{cases}$
	0.3 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} & \Rightarrow -0.009797863 \\ \text{"mnb"} & \Rightarrow 0.0117688034 \\ \text{"sgd"} & \Rightarrow -0.00197094 \\ \text{else} & \Rightarrow . \end{cases}$
	0.4 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} & \Rightarrow -0.010502991 \\ \text{"mnb"} & \Rightarrow 0.0133264957 \\ \text{"sgd"} & \Rightarrow -0.002823504 \\ \text{else} & \Rightarrow . \end{cases}$
	0.5 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} & \Rightarrow -0.011589316 \\ \text{"mnb"} & \Rightarrow 0.0145183761 \\ \text{"sgd"} & \Rightarrow -0.00292906 \\ \text{else} & \Rightarrow . \end{cases}$
"NAR"	$\Rightarrow \text{Match}(\beta)$	$\begin{cases} \text{"lstm"} & \Rightarrow -0.011098718 \\ \text{"mnb"} & \Rightarrow 0.01425 \\ \text{"sgd"} & \Rightarrow -0.003151282 \\ \text{else} & \Rightarrow . \end{cases}$
	0.6 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} & \Rightarrow -0.011226923 \\ \text{"mnb"} & \Rightarrow 0.0151423077 \\ \text{"sgd"} & \Rightarrow -0.003915385 \\ \text{else} & \Rightarrow . \end{cases}$
	0.7 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} & \Rightarrow -0.011257692 \\ \text{"mnb"} & \Rightarrow 0.0149320513 \\ \text{"sgd"} & \Rightarrow -0.003674359 \\ \text{else} & \Rightarrow . \end{cases}$
	0.8 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} & \Rightarrow -0.009149573 \\ \text{"mnb"} & \Rightarrow 0.0141952991 \\ \text{"sgd"} & \Rightarrow -0.005045726 \\ \text{else} & \Rightarrow . \end{cases}$
	1 $\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{else} & \Rightarrow . \end{cases}$

Response D(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 0.0037581197 \\ \text{"mnb"} \Rightarrow -0.008131624 \\ \text{"sgd"} \Rightarrow 0.0043735043 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.3 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0034935897 \\ \text{"mnb"} \Rightarrow -0.012683333 \\ \text{"sgd"} \Rightarrow 0.0091897436 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.4 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0058162393 \\ \text{"mnb"} \Rightarrow -0.013836325 \\ \text{"sgd"} \Rightarrow 0.0080200855 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.5 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0060559829 \\ \text{"mnb"} \Rightarrow -0.014649145 \\ \text{"sgd"} \Rightarrow 0.0085931624 \\ \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 0.0078478632 \\ \text{"mnb"} \Rightarrow -0.016002137 \\ \text{"sgd"} \Rightarrow 0.0081542735 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.7 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0071717949 \\ \text{"mnb"} \Rightarrow -0.015567949 \\ \text{"sgd"} \Rightarrow 0.0083961538 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.8 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0073141026 \\ \text{"mnb"} \Rightarrow -0.015962821 \\ \text{"sgd"} \Rightarrow 0.0086487179 \\ \text{else} \Rightarrow . \end{array} \right) \\ & 0.9 \Rightarrow \text{Match}(f_0) \left(\begin{array}{l} \text{"lstm"} \Rightarrow 0.0067628205 \\ \text{"mnb"} \Rightarrow -0.015778205 \\ \text{...} \Rightarrow 0.000015000000000000001 \end{array} \right) \end{aligned} $
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Response D(beta, 0)**Prediction Expression**

		$\begin{cases} "sgd" \Rightarrow 0.0090153846 \\ \text{else} \Rightarrow . \end{cases}$
1	$\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0064824786 \\ "mnb" \Rightarrow -0.015718803 \\ "sgd" \Rightarrow 0.0092363248 \\ \text{else} \Rightarrow . \end{cases}$
		$\text{else} \Rightarrow .$
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	$\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0041555556 \\ "mnb" \Rightarrow 0.004242735 \\ "sgd" \Rightarrow -0.008398291 \\ \text{else} \Rightarrow . \end{cases}$
0.3	$\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0043487179 \\ "mnb" \Rightarrow 0.0025410256 \\ "sgd" \Rightarrow -0.006889744 \\ \text{else} \Rightarrow . \end{cases}$
0.4	$\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0039816239 \\ "mnb" \Rightarrow 0.0020675214 \\ "sgd" \Rightarrow -0.006049145 \\ \text{else} \Rightarrow . \end{cases}$
0.5	$\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0044470085 \\ "mnb" \Rightarrow 0.0013226496 \\ "sgd" \Rightarrow -0.005769658 \\ \text{else} \Rightarrow . \end{cases}$
"NNAR"	$\Rightarrow \text{Match}(\beta)$	$\begin{cases} "lstm" \Rightarrow 0.003741453 \\ "mnb" \Rightarrow 0.0014837607 \\ "sgd" \Rightarrow -0.005225214 \\ \text{else} \Rightarrow . \end{cases}$
0.6	$\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0039269231 \\ "mnb" \Rightarrow 0.0013179487 \\ "sgd" \Rightarrow -0.005244872 \\ \text{else} \Rightarrow . \end{cases}$
0.7	$\Rightarrow \text{Match}(f_0)$	$\begin{cases} "lstm" \Rightarrow 0.0039269231 \\ "mnb" \Rightarrow 0.0013179487 \\ "sgd" \Rightarrow -0.005244872 \\ \text{else} \Rightarrow . \end{cases}$

Response D(beta, 0)	
Prediction Expression	
0.8 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.0039128205 \\ "mnb" \Rightarrow 0.0008205128 \\ "sgd" \Rightarrow -0.004733333 \\ \text{else} \Rightarrow . \end{cases}$
0.9 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.0044948718 \\ "mnb" \Rightarrow 0.0008461538 \\ "sgd" \Rightarrow -0.005341026 \\ \text{else} \Rightarrow . \end{cases}$
1 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.002667094 \\ "mnb" \Rightarrow 0.0015235043 \\ "sgd" \Rightarrow -0.004190598 \\ \text{else} \Rightarrow . \end{cases}$
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())	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$

Response D(beta, 0)	Prediction Expression
0.05 \Rightarrow Match(beta)	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.6 \Rightarrow Match(f())	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.7 \Rightarrow Match(f())	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.8 \Rightarrow Match(f())	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.9 \Rightarrow Match(f())	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
1 \Rightarrow Match(f())	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
else \Rightarrow .	
0.1 \Rightarrow Match(f())	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{mnb} \Rightarrow 0 \\ \text{sgd} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.2 \Rightarrow Match(f())	$\begin{cases} \text{lstm} \Rightarrow 0.0080611111 \\ \text{mnb} \Rightarrow -0.003522222 \\ \text{sgd} \Rightarrow -0.004538889 \\ \text{else} \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f())	$\begin{cases} \text{lstm} \Rightarrow 0.0105 \\ \text{mnb} \Rightarrow -0.006116667 \\ \text{sgd} \Rightarrow -0.004383333 \\ \text{else} \Rightarrow . \end{cases}$

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

		$0.4 \Rightarrow \text{Match}(f()) \begin{cases} \text{"lstm"} \Rightarrow 0.0121944444 \\ \text{"mnb"} \Rightarrow -0.006838889 \\ \text{"sgd"} \Rightarrow -0.005355556 \\ \text{else} \Rightarrow . \end{cases}$
		$0.5 \Rightarrow \text{Match}(f()) \begin{cases} \text{"lstm"} \Rightarrow 0.0159444444 \\ \text{"mnb"} \Rightarrow -0.009938889 \\ \text{"sgd"} \Rightarrow -0.006005556 \\ \text{else} \Rightarrow . \end{cases}$
	$0.1 \Rightarrow \text{Match}(\beta)$	$0.6 \Rightarrow \text{Match}(f()) \begin{cases} \text{"lstm"} \Rightarrow 0.0238277778 \\ \text{"mnb"} \Rightarrow -0.012272222 \\ \text{"sgd"} \Rightarrow -0.011555556 \\ \text{else} \Rightarrow . \end{cases}$
		$0.7 \Rightarrow \text{Match}(f()) \begin{cases} \text{"lstm"} \Rightarrow 0.0247555556 \\ \text{"mnb"} \Rightarrow -0.012611111 \\ \text{"sgd"} \Rightarrow -0.012144444 \\ \text{else} \Rightarrow . \end{cases}$
		$0.8 \Rightarrow \text{Match}(f()) \begin{cases} \text{"lstm"} \Rightarrow 0.0227777778 \\ \text{"mnb"} \Rightarrow -0.012288889 \\ \text{"sgd"} \Rightarrow -0.010488889 \\ \text{else} \Rightarrow . \end{cases}$
		$0.9 \Rightarrow \text{Match}(f()) \begin{cases} \text{"lstm"} \Rightarrow 0.0291166667 \\ \text{"mnb"} \Rightarrow -0.015216667 \\ \text{"sgd"} \Rightarrow -0.0139 \\ \text{else} \Rightarrow . \end{cases}$
		$1 \Rightarrow \text{Match}(f()) \begin{cases} \text{"lstm"} \Rightarrow 0.0311111111 \\ \text{"mnb"} \Rightarrow -0.015122222 \\ \text{"sgd"} \Rightarrow -0.015988889 \\ \text{else} \Rightarrow . \end{cases}$
		$\text{else} \Rightarrow .$
		$0.1 \Rightarrow \text{Match}(f()) \begin{cases} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
		$\quad \quad \quad \begin{cases} \text{"lstm"} \Rightarrow 0.0059333333 \\ \text{"mnb"} \Rightarrow -0.003366667 \end{cases}$

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

	$0.2 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"sgd"} \Rightarrow -0.002566667 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.3 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0110666667 \\ \text{"mnb"} \Rightarrow -0.0053 \\ \text{"sgd"} \Rightarrow -0.005766667 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.4 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0159388889 \\ \text{"mnb"} \Rightarrow -0.007927778 \\ \text{"sgd"} \Rightarrow -0.008011111 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.5 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0201888889 \\ \text{"mnb"} \Rightarrow -0.010694444 \\ \text{"sgd"} \Rightarrow -0.009494444 \\ \text{"else"} \Rightarrow . \end{cases}$
0.15	$\Rightarrow \text{Match}(\beta)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0290277778 \\ \text{"mnb"} \Rightarrow -0.014738889 \\ \text{"sgd"} \Rightarrow -0.014288889 \\ \text{"else"} \Rightarrow . \end{cases}$
0.6	$\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0349777778 \\ \text{"mnb"} \Rightarrow -0.017688889 \\ \text{"sgd"} \Rightarrow -0.017288889 \\ \text{"else"} \Rightarrow . \end{cases}$
0.7	$\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0353333333 \\ \text{"mnb"} \Rightarrow -0.018333333 \\ \text{"sgd"} \Rightarrow -0.017 \\ \text{"else"} \Rightarrow . \end{cases}$
0.8	$\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0453055556 \\ \text{"mnb"} \Rightarrow -0.023711111 \\ \text{"sgd"} \Rightarrow -0.021594444 \\ \text{"else"} \Rightarrow . \end{cases}$
0.9	$\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0513555556 \\ \text{"mnb"} \Rightarrow -0.026211111 \\ \text{"sgd"} \Rightarrow -0.025144444 \\ \text{"else"} \Rightarrow . \end{cases}$
1	$\Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0513555556 \\ \text{"mnb"} \Rightarrow -0.026211111 \\ \text{"sgd"} \Rightarrow -0.025144444 \\ \text{"else"} \Rightarrow . \end{cases}$

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

```

else => .

0.1 => Match(f0) {
    "lstm" => 0
    "mnb" => 0
    "sgd" => 0
    else => .
}

0.2 => Match(f0) {
    "lstm" => 0.0094888889
    "mnb" => -0.003577778
    "sgd" => -0.005911111
    else => .
}

0.3 => Match(f0) {
    "lstm" => 0.0184666667
    "mnb" => -0.0086333333
    "sgd" => -0.0098333333
    else => .
}

0.4 => Match(f0) {
    "lstm" => 0.0247722222
    "mnb" => -0.0112444444
    "sgd" => -0.013527778
    else => .
}

0.5 => Match(f0) {
    "lstm" => 0.0310277778
    "mnb" => -0.0159222222
    "sgd" => -0.0151055556
    else => .
}

0.2 => Match(beta) {
    "lstm" => 0.04205
    "mnb" => -0.0206
    "sgd" => -0.02145
    else => .
}

0.6 => Match(f0) {
    "lstm" => 0.0511222222
    "mnb" => -0.024211111
    "sgd" => -0.026911111
    else => .
}

0.7 => Match(f0) {
    "lstm" => 0.0500444444
    "mnb" => -0.0241555556
    "sgd" => -0.0258888889
    else => .
}

0.8 => Match(f0) {
    "lstm" => 0.0642611111
}

```

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

0.9 \Rightarrow Match(f ₀)	$\begin{cases} "mnb" \Rightarrow -0.031972222 \\ "sgd" \Rightarrow -0.032288889 \\ \text{else} \Rightarrow . \end{cases}$
1 \Rightarrow Match(f ₀)	$\begin{cases} "lstm" \Rightarrow 0.0771166667 \\ "mnb" \Rightarrow -0.0373 \\ "sgd" \Rightarrow -0.039816667 \\ \text{else} \Rightarrow . \end{cases}$
else \Rightarrow .	
0.1 \Rightarrow Match(f ₀)	$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.2 \Rightarrow Match(f ₀)	$\begin{cases} "lstm" \Rightarrow 0.0123444444 \\ "mnb" \Rightarrow -0.005055556 \\ "sgd" \Rightarrow -0.007288889 \\ \text{else} \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f ₀)	$\begin{cases} "lstm" \Rightarrow 0.0246777778 \\ "mnb" \Rightarrow -0.011188889 \\ "sgd" \Rightarrow -0.013488889 \\ \text{else} \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(f ₀)	$\begin{cases} "lstm" \Rightarrow 0.0351333333 \\ "mnb" \Rightarrow -0.0175 \\ "sgd" \Rightarrow -0.017633333 \\ \text{else} \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(f ₀)	$\begin{cases} "lstm" \Rightarrow 0.0418388889 \\ "mnb" \Rightarrow -0.022944444 \\ "sgd" \Rightarrow -0.018894444 \\ \text{else} \Rightarrow . \end{cases}$
0.25 \Rightarrow Match(beta)	$\begin{cases} "lstm" \Rightarrow 0.0565555556 \\ "mnb" \Rightarrow -0.028411111 \\ "sgd" \Rightarrow -0.028144444 \\ \text{else} \Rightarrow . \end{cases}$
0.6 \Rightarrow Match(f ₀)	$\begin{cases} "lstm" \Rightarrow 0.0672555556 \\ "mnb" \Rightarrow -0.034877778 \\ "sgd" \Rightarrow -0.034677778 \\ \text{else} \Rightarrow . \end{cases}$
0.7 \Rightarrow Match(f ₀)	$\begin{cases} "lstm" \Rightarrow 0.0672555556 \\ "mnb" \Rightarrow -0.034877778 \\ "sgd" \Rightarrow -0.034677778 \\ \text{else} \Rightarrow . \end{cases}$

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

		$\begin{cases} "sgd" \Rightarrow -0.03237778 \\ \text{else} \Rightarrow . \end{cases}$
0.8 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0711444444 \\ "mnb" \Rightarrow -0.037488889 \\ "sgd" \Rightarrow -0.033655556 \\ \text{else} \Rightarrow . \end{cases}$
0.9 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0876555556 \\ "mnb" \Rightarrow -0.045861111 \\ "sgd" \Rightarrow -0.041794444 \\ \text{else} \Rightarrow . \end{cases}$
1 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.1001111111 \\ "mnb" \Rightarrow -0.051205556 \\ "sgd" \Rightarrow -0.048905556 \\ \text{else} \Rightarrow . \end{cases}$
		$\text{else} \Rightarrow .$
0.1 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
0.2 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0160944444 \\ "mnb" \Rightarrow -0.007205556 \\ "sgd" \Rightarrow -0.008888889 \\ \text{else} \Rightarrow . \end{cases}$
0.3 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0272055556 \\ "mnb" \Rightarrow -0.014794444 \\ "sgd" \Rightarrow -0.012411111 \\ \text{else} \Rightarrow . \end{cases}$
0.4 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0391555556 \\ "mnb" \Rightarrow -0.020644444 \\ "sgd" \Rightarrow -0.018511111 \\ \text{else} \Rightarrow . \end{cases}$
0.5 $\Rightarrow \text{Match}(f())$		$\begin{cases} "lstm" \Rightarrow 0.0480333333 \\ "mnb" \Rightarrow -0.026783333 \\ "sgd" \Rightarrow -0.02125 \\ \text{else} \Rightarrow . \end{cases}$

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

	0.3 \Rightarrow Match(beta)	$"lstm" \Rightarrow 0.0639833333$ $"mnb" \Rightarrow -0.0354$ $"sgd" \Rightarrow -0.028583333$ $else \Rightarrow .$
	0.6 \Rightarrow Match(f0)	$"lstm" \Rightarrow 0.0760833333$ $"mnb" \Rightarrow -0.040816667$ $"sgd" \Rightarrow -0.035266667$ $else \Rightarrow .$
	0.7 \Rightarrow Match(f0)	$"lstm" \Rightarrow 0.0861833333$ $"mnb" \Rightarrow -0.045533333$ $"sgd" \Rightarrow -0.04065$ $else \Rightarrow .$
	0.8 \Rightarrow Match(f0)	$"lstm" \Rightarrow 0.1045777778$ $"mnb" \Rightarrow -0.055022222$ $"sgd" \Rightarrow -0.049555556$ $else \Rightarrow .$
	0.9 \Rightarrow Match(f0)	$"lstm" \Rightarrow 0.1192111111$ $"mnb" \Rightarrow -0.060988889$ $"sgd" \Rightarrow -0.058222222$ $else \Rightarrow .$
	1 \Rightarrow Match(f0)	$"lstm" \Rightarrow 0$ $"mnb" \Rightarrow 0$ $"sgd" \Rightarrow 0$ $else \Rightarrow .$
	0.1 \Rightarrow Match(f0)	$"lstm" \Rightarrow 0.0154055556$ $"mnb" \Rightarrow -0.010411111$ $"sgd" \Rightarrow -0.004994444$ $else \Rightarrow .$
	0.2 \Rightarrow Match(f0)	$"lstm" \Rightarrow 0.0279833333$ $"mnb" \Rightarrow -0.0188$ $"sgd" \Rightarrow -0.009183333$ $else \Rightarrow .$
	0.3 \Rightarrow Match(f0)	$"lstm" \Rightarrow 0.0340288888$ $"mnb" \Rightarrow -0.0188$ $"sgd" \Rightarrow -0.009183333$ $else \Rightarrow .$

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

$+ \text{Match}(\alpha)$	$0.35 \Rightarrow \text{Match}(\beta)$	$0.4 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.0402888889 \\ \text{"mnb"} \Rightarrow -0.025261111 \\ \text{"sgd"} \Rightarrow -0.015027778 \\ \text{else} \Rightarrow . \end{cases}$
		$0.5 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.0543055556 \\ \text{"mnb"} \Rightarrow -0.034527778 \\ \text{"sgd"} \Rightarrow -0.019777778 \\ \text{else} \Rightarrow . \end{cases}$
		$0.6 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.0691333333 \\ \text{"mnb"} \Rightarrow -0.0408 \\ \text{"sgd"} \Rightarrow -0.028333333 \\ \text{else} \Rightarrow . \end{cases}$
		$0.7 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.09005 \\ \text{"mnb"} \Rightarrow -0.0516333333 \\ \text{"sgd"} \Rightarrow -0.038416667 \\ \text{else} \Rightarrow . \end{cases}$
		$0.8 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.0996111111 \\ \text{"mnb"} \Rightarrow -0.057522222 \\ \text{"sgd"} \Rightarrow -0.042088889 \\ \text{else} \Rightarrow . \end{cases}$
		$0.9 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.1225444444 \\ \text{"mnb"} \Rightarrow -0.069905556 \\ \text{"sgd"} \Rightarrow -0.052638889 \\ \text{else} \Rightarrow . \end{cases}$
		$1 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0.1384166667 \\ \text{"mnb"} \Rightarrow -0.077283333 \\ \text{"sgd"} \Rightarrow -0.061133333 \\ \text{else} \Rightarrow . \end{cases}$
			$\text{else} \Rightarrow .$
		$0.1 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{lstm} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
			$\begin{cases} \text{lstm} \Rightarrow 0.0118722222 \\ \text{"mnb"} \Rightarrow -0.011811111 \end{cases}$

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

	$0.2 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"sgd"} \Rightarrow -0.000061111 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.3 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0244111111 \\ \text{"mnb"} \Rightarrow -0.0230722222 \\ \text{"sgd"} \Rightarrow -0.001338889 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.4 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0369777778 \\ \text{"mnb"} \Rightarrow -0.031205556 \\ \text{"sgd"} \Rightarrow -0.005772222 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.5 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0489222222 \\ \text{"mnb"} \Rightarrow -0.0391944444 \\ \text{"sgd"} \Rightarrow -0.009727778 \\ \text{"else"} \Rightarrow . \end{cases}$
0.4	$\Rightarrow \text{Match}(\beta)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.06945 \\ \text{"mnb"} \Rightarrow -0.049883333 \\ \text{"sgd"} \Rightarrow -0.019566667 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.6 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0887777778 \\ \text{"mnb"} \Rightarrow -0.060638889 \\ \text{"sgd"} \Rightarrow -0.028138889 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.7 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1027166667 \\ \text{"mnb"} \Rightarrow -0.06765 \\ \text{"sgd"} \Rightarrow -0.035066667 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.8 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1263833333 \\ \text{"mnb"} \Rightarrow -0.08035 \\ \text{"sgd"} \Rightarrow -0.046033333 \\ \text{"else"} \Rightarrow . \end{cases}$
	$0.9 \Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1463 \\ \text{"mnb"} \Rightarrow -0.089933333 \\ \text{"sgd"} \Rightarrow -0.056366667 \\ \text{"else"} \Rightarrow . \end{cases}$
1	$\Rightarrow \text{Match}(f_0)$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1463 \\ \text{"mnb"} \Rightarrow -0.089933333 \\ \text{"sgd"} \Rightarrow -0.056366667 \\ \text{"else"} \Rightarrow . \end{cases}$

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

		$\text{else} \Rightarrow .$
	$0.1 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$
	$0.2 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0082166667 \\ \text{"mnb"} \Rightarrow -0.014483333 \\ \text{"sgd"} \Rightarrow 0.0062666667 \\ \text{else} \Rightarrow . \end{cases}$
	$0.3 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0178555556 \\ \text{"mnb"} \Rightarrow -0.029677778 \\ \text{"sgd"} \Rightarrow 0.0118222222 \\ \text{else} \Rightarrow . \end{cases}$
	$0.4 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0305666667 \\ \text{"mnb"} \Rightarrow -0.037766667 \\ \text{"sgd"} \Rightarrow 0.0072 \\ \text{else} \Rightarrow . \end{cases}$
	$0.5 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0482611111 \\ \text{"mnb"} \Rightarrow -0.050205556 \\ \text{"sgd"} \Rightarrow 0.0019444444 \\ \text{else} \Rightarrow . \end{cases}$
$0.45 \Rightarrow \text{Match}(\beta)$		$\begin{cases} \text{"lstm"} \Rightarrow 0.0713777778 \\ \text{"mnb"} \Rightarrow -0.063155556 \\ \text{"sgd"} \Rightarrow -0.008222222 \\ \text{else} \Rightarrow . \end{cases}$
	$0.6 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.0919055556 \\ \text{"mnb"} \Rightarrow -0.073911111 \\ \text{"sgd"} \Rightarrow -0.0179944444 \\ \text{else} \Rightarrow . \end{cases}$
	$0.7 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1083055556 \\ \text{"mnb"} \Rightarrow -0.082344444 \\ \text{"sgd"} \Rightarrow -0.025961111 \\ \text{else} \Rightarrow . \end{cases}$
	$0.8 \Rightarrow \text{Match}(f())$	$\begin{cases} \text{"lstm"} \Rightarrow 0.1319722222 \\ \text{else} \Rightarrow . \end{cases}$

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

0.9 \Rightarrow Match(f())	$\begin{cases} "mnb" \Rightarrow -0.095027778 \\ "sgd" \Rightarrow -0.036944444 \\ \text{else} \Rightarrow . \end{cases}$
1 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.1582722222 \\ "mnb" \Rightarrow -0.1080111111 \\ "sgd" \Rightarrow -0.0502611111 \\ \text{else} \Rightarrow . \end{cases}$
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())	$\begin{cases} "lstm" \Rightarrow -0.001716667 \\ "mnb" \Rightarrow -0.022466667 \\ "sgd" \Rightarrow 0.0241833333 \\ \text{else} \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.0037277778 \\ "mnb" \Rightarrow -0.042505556 \\ "sgd" \Rightarrow 0.0387777778 \\ \text{else} \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.0164555556 \\ "mnb" \Rightarrow -0.0539611111 \\ "sgd" \Rightarrow 0.0375055556 \\ \text{else} \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.0308 \\ "mnb" \Rightarrow -0.066183333 \\ "sgd" \Rightarrow 0.0353833333 \\ \text{else} \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(beta)	
0.6 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.0549666667 \\ "mnb" \Rightarrow -0.078666667 \\ "sgd" \Rightarrow 0.0237 \\ \text{else} \Rightarrow . \end{cases}$
0.7 \Rightarrow Match(f())	$\begin{cases} "lstm" \Rightarrow 0.0768444444 \\ "mnb" \Rightarrow -0.0894722222 \\ "sgd" \Rightarrow 0.0126277770 \\ \text{else} \Rightarrow . \end{cases}$

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

		$\begin{cases} \text{sgd} \Rightarrow 0.0120277776 \\ \text{else} \Rightarrow . \end{cases}$
0.8 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow 0.0929666667 \\ \text{"mnb"} \Rightarrow -0.099 \\ \text{"sgd"} \Rightarrow 0.0060333333 \\ \text{else} \Rightarrow . \end{cases}$
0.9 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow 0.1214222222 \\ \text{"mnb"} \Rightarrow -0.1131611111 \\ \text{"sgd"} \Rightarrow -0.008261111 \\ \text{else} \Rightarrow . \end{cases}$
1 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow 0.1494 \\ \text{"mnb"} \Rightarrow -0.1268166667 \\ \text{"sgd"} \Rightarrow -0.022583333 \\ \text{else} \Rightarrow . \end{cases}$
		$\text{else} \Rightarrow .$
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 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow -0.013544444 \\ \text{"mnb"} \Rightarrow -0.017911111 \\ \text{"sgd"} \Rightarrow 0.0314555556 \\ \text{else} \Rightarrow . \end{cases}$
0.3 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow -0.021094444 \\ \text{"mnb"} \Rightarrow -0.048727778 \\ \text{"sgd"} \Rightarrow 0.0698222222 \\ \text{else} \Rightarrow . \end{cases}$
0.4 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow -0.005111111 \\ \text{"mnb"} \Rightarrow -0.065894444 \\ \text{"sgd"} \Rightarrow 0.0710055556 \\ \text{else} \Rightarrow . \end{cases}$
0.5 $\Rightarrow \text{Match}(f())$		$\begin{cases} \text{"lstm"} \Rightarrow 0.0098166667 \\ \text{"mnb"} \Rightarrow -0.077883333 \\ \text{"sgd"} \Rightarrow 0.0680666667 \\ \text{else} \Rightarrow . \end{cases}$

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

$0.55 \Rightarrow \text{Match}(\beta)$ $0.6 \Rightarrow \text{Match}(f())$ $0.7 \Rightarrow \text{Match}(f())$ $0.8 \Rightarrow \text{Match}(f())$ $0.9 \Rightarrow \text{Match}(f())$ $1 \Rightarrow \text{Match}(f())$ $0.1 \Rightarrow \text{Match}(f())$ $0.2 \Rightarrow \text{Match}(f())$ $0.3 \Rightarrow \text{Match}(f())$	$\begin{cases} "lstm" \Rightarrow 0.0349444444 \\ "mnb" \Rightarrow -0.090672222 \\ "sgd" \Rightarrow 0.0557277778 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow 0.0608277778 \\ "mnb" \Rightarrow -0.1044555556 \\ "sgd" \Rightarrow 0.0436277778 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow 0.0780388889 \\ "mnb" \Rightarrow -0.1154611111 \\ "sgd" \Rightarrow 0.0374222222 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow 0.1045611111 \\ "mnb" \Rightarrow -0.1284055556 \\ "sgd" \Rightarrow 0.0238444444 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow 0.1381055556 \\ "mnb" \Rightarrow -0.1448111111 \\ "sgd" \Rightarrow 0.0067055556 \\ \text{else} \Rightarrow . \end{cases}$ $\text{else} \Rightarrow .$ $\begin{cases} "lstm" \Rightarrow 0 \\ "mnb" \Rightarrow 0 \\ "sgd" \Rightarrow 0 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow -0.0447333333 \\ "mnb" \Rightarrow -0.04325 \\ "sgd" \Rightarrow 0.0879833333 \\ \text{else} \Rightarrow . \end{cases}$ $\begin{cases} "lstm" \Rightarrow -0.0595333333 \\ "mnb" \Rightarrow -0.076 \\ "sgd" \Rightarrow 0.1355333333 \\ \text{else} \Rightarrow . \end{cases}$ $"lstm" \Rightarrow -0.0524555556$
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Response D(beta, 0)**Prediction Expression**

		$0.4 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.05245555 \\ \text{"mnb"} \Rightarrow -0.095555556 \\ \text{"sgd"} \Rightarrow 0.1480111111 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.5 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.041983333 \\ \text{"mnb"} \Rightarrow -0.110783333 \\ \text{"sgd"} \Rightarrow 0.1527666667 \\ \text{else} \Rightarrow . \end{array} \right)$
	$0.6 \Rightarrow \text{Match}(\beta)$	$0.6 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow -0.011688889 \\ \text{"mnb"} \Rightarrow -0.126488889 \\ \text{"sgd"} \Rightarrow 0.1381777778 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.7 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow 0.0114444444 \\ \text{"mnb"} \Rightarrow -0.141788889 \\ \text{"sgd"} \Rightarrow 0.1303444444 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.8 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow 0.0309833333 \\ \text{"mnb"} \Rightarrow -0.151766667 \\ \text{"sgd"} \Rightarrow 0.1207833333 \\ \text{else} \Rightarrow . \end{array} \right)$
		$0.9 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow 0.0646222222 \\ \text{"mnb"} \Rightarrow -0.168611111 \\ \text{"sgd"} \Rightarrow 0.1039888889 \\ \text{else} \Rightarrow . \end{array} \right)$
		$1 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow 0.0973333333 \\ \text{"mnb"} \Rightarrow -0.185733333 \\ \text{"sgd"} \Rightarrow 0.0884 \\ \text{else} \Rightarrow . \end{array} \right)$
		$\text{else} \Rightarrow .$
		$0.1 \Rightarrow \text{Match}(f()) \left(\begin{array}{l} \text{lstm} \Rightarrow 0 \\ \text{"mnb"} \Rightarrow 0 \\ \text{"sgd"} \Rightarrow 0 \\ \text{else} \Rightarrow . \end{array} \right)$
		$\sqrt{\left(\begin{array}{l} \text{lstm} \Rightarrow -0.029594444 \\ \text{"mnb"} \Rightarrow -0.000461111 \end{array} \right)}$

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

0.2 \Rightarrow Match(f0)	$\begin{cases} "sgd" \Rightarrow 0.0300555556 \\ "else" \Rightarrow . \end{cases}$
0.3 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.06875 \\ "mnb" \Rightarrow -0.0488 \\ "sgd" \Rightarrow 0.11755 \\ "else" \Rightarrow . \end{cases}$
0.4 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.08105 \\ "mnb" \Rightarrow -0.078416667 \\ "sgd" \Rightarrow 0.1594666667 \\ "else" \Rightarrow . \end{cases}$
0.5 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.065855556 \\ "mnb" \Rightarrow -0.099188889 \\ "sgd" \Rightarrow 0.1650444444 \\ "else" \Rightarrow . \end{cases}$
0.65 \Rightarrow Match(beta)	$\begin{cases} "lstm" \Rightarrow -0.0373 \\ "mnb" \Rightarrow -0.11645 \\ "sgd" \Rightarrow 0.15375 \\ "else" \Rightarrow . \end{cases}$
0.6 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow -0.010177778 \\ "mnb" \Rightarrow -0.132394444 \\ "sgd" \Rightarrow 0.1425722222 \\ "else" \Rightarrow . \end{cases}$
0.7 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0145277778 \\ "mnb" \Rightarrow -0.146572222 \\ "sgd" \Rightarrow 0.1320444444 \\ "else" \Rightarrow . \end{cases}$
0.8 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0499777778 \\ "mnb" \Rightarrow -0.165005556 \\ "sgd" \Rightarrow 0.1150277778 \\ "else" \Rightarrow . \end{cases}$
0.9 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.0828944444 \\ "mnb" \Rightarrow -0.181272222 \\ "sgd" \Rightarrow 0.0983777778 \\ "else" \Rightarrow . \end{cases}$
1 \Rightarrow Match(f0)	$\begin{cases} "lstm" \Rightarrow 0.1165722222 \\ "mnb" \Rightarrow -0.201272222 \\ "sgd" \Rightarrow 0.0837777778 \\ "else" \Rightarrow . \end{cases}$

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