

P(kar | kar) = 0

P(ve | kar) = 2112 = 0.16

P(zarar | kar) = 2112 = 0.16

P(būyūk | kar) = 1112 = 0.083

P(sorun | kar) = 0

P(qok | kar) = 1112 = 0.083

P(yok | kar) = 2112 = 0.16

P(ve | ve) = 0

P(kar | ve) =  $\frac{1}{2}$ 8 = 0.035

P(zarar | ve) =  $\frac{3}{2}$ 8 = 0.107 ≈ 0.11

P(būyūk | ve) = 0

P(qok | ve) = 0

P(qok | ve) = 128 = 0.035

P(yok | ve) = 0

P(kar | 2arar) = 0 P(ve | 2arar) = 0 P(ve | 2arar) = 0 P(2arar | 2arar) = 0 P(buyuk | 2arar) = 2120 = 0.1 P(sorun | 2arar) = 1120 = 0.05 P(gok | 2arar) = 2120 = 0.1 P(yok | 2arar) = 1120 = 0.05

P(kar | būyūk) = 1/30 = 0.033P(ve | būyūk) = 1/30 = 0.033P(zarar | būyūk) =  $2/30 = 0.066 \approx 0.07$ P(būyūk | būyūk) = 0P(sorun | būyūk) = 3/30 = 0.1P(aok | būyūk) = 0P(yok | būyūk) = 0

P(kar | sorun) = 0

P(vel sorun) = 1/16 = 0.062

P(zarar | sorun) = 0

P(būyūk | sorun) = 1/16 = 0.062

P(sorun | Sorun) = 1/16 = 0.062

P(qok | sorun) = 1/16 = 0.062

P(yok) sorun) = 3/16 = 0.062

P(kqr)(qok) = 0 P(ve)(qok) = 1/32 = 0.031 P(2qrar)(qok) = 2/32 = 0.062 P(biyik)(qok) = 2/32 = 0.062 P(sorun)(qok) = 1/32 = 0.031 P(qok)(qok) = 2/32 = 0.062P(yok)(qok) = 1/32 = 0.031

P(karlyok) = 0
P(velyok) = 1/12 = 0.083
P(20rarlyok) = 0
P(būyúklyok) = 0
P(sorunlyok) = 0
P(sorunlyok) = 0
P(goklyok) = 2/12 = 0.16
P(yoklyok) = 0

	MLEe			P(W; \W;-1) = coun+(w;-1) telime bir inceki w; coun+(w;-1)  stimate  stimate							
				kar	ve	2arar	bayak	Sorun	GOK	yok	Kiving-market and the second of the second o
1		Kar		0	0.16	0.16	0.083	0	0.083	0.16	Par more recommendation of the recommendatio
1	-	ve		0.035	0	0.11	0.714	0	0.035	0	P(büyük) cok) = 2 = 0.062
1		200	26	0	0	0	0.1	0.05	0.1	0.05	$P(2arar   būyūk) = \frac{2}{30} = 0.077$
	1	búyu	ik	0.033	0.033	0.07	0	0.1	0,	0	P(yok) 2000r)==== 0.05
1	S	io/u/	1	0	0.062	0	0.062	6.062	0.00	0.19	44
1	(	Gok		0	0.031	0.062	0.062	0.031	0.062	0.031	a do training corpus
	1	yok	11	0	0.083	0	0	0	0.16	0	elimizde training corpus olmadigi icin hesoplanamaz
									1	-	1 01111-0
	P(xs> Gok bűyűk 20101 yok x15) = P(Gok x5) (P(bűyűk) Gok). P(20101 bűyűk).  P(yok 120101). P(x15> 1 yok)  = 0.062 × 0.07 × 0.05 = 0.000217										
	Add-1 estimate V=100									Add-1	
,		_		-	-	ACRE					P(kar   kar) = (0+1)/(12+100) = 0.009
١			ka	r ve	2010	n büyük	Sorun	GOK	yok	4	P(ve)kar) = (2+1)/(12+100)=0.026
	k	ar	0.00	9 0.0	26 0.02	60.018	0.009	0.018	0.026		P(201001/kar) = (2+1)/(12+100)=0.026
							000%	STATE OF THE OWNER, WHEN	-	-	P (bigūk   kar) = (1+1)/(12+100)=0.018
I							0.016	STATE OF THE PERSON NAMED IN	STREET, SQUARE, SQUARE		P(sorun   kar) = (0+1)/(12+100)=0.009
I							0.030				P(gok/kar)= (1+1)/(12+100)=0.018
t	_						0012				P(yok 1 kor)=(2+1)/(12+100)=0.026
							0.015				
_		_	_				0.009				P(karlve) = (0+3)/(28+300) = 0.008 P(velve) = (1+1)/128 = 0.036
1	0			0,0	030	0 020	0.003	0,020	.005		P(20101/ve) = (3+1)/128 = 0.031
\$	PI	(ska	1/50	mn)=	1/116	= 0.00	8 0	(cok b	injik za	rar york	P(biguik 1 ve) = (2+1)/1220 = 0.025
				$(n_n) = 1/116 = 0.008$ $(n_n) = 2/116 = 0.017$ $(n_n) = 3/116 = 0.008$				PAdds (Gok biyik zorar yok)			p(sorunive) = (0+1)/128 = 0.008
					2/116:		=0.	= 0.022 x 0.023 x 0.016			P(gok  ve)= (1+1)/128=0.016 P(yok  ve)= (0+1)/128=0.008
	PL	P(sorun1sorun) = 2/116 = 0.017 = 0.0000080							080	36	
	PE	(Got   Sorun) = 2/116 = 0.017 (Got   Sorun) = 4/116 = 0.034									P(trans / 2000) = 1/120 = 0.008
	PL	P(kor)aok)= 11132 = 0.007									P(ve/20rar)=1/1/20=0.008
		P(ve) cok)= 2/132 = 0.015 P(zaror) gok)= 3/132 = 0.022								P(zarar)=1/120=0.008 P(biyik zarar)=3/120=0.025	
	P(būyūk ladk) = 31132 = 0.022								P(Sorun 1200)= 21120=0.016		
Ī	P(Sorun (Gok) = 2/132 = 0.015								P(GOK   2000) = 31120 = 0.025		
	P(gok) (ok) = 3/132 = 0.022 P(yok) (ok) = 2/132 = 0.015										P (yok 1200 = 21120 = 0.016
	p(kanyok) = 1/112 = 0.009										P(kar   biguik) = (1+1)/130 = 0.015 P(ve   biguik) = 2/130 = 0.015
		P(Velyok) = 2/1112 = 0.038									P(2000 1 bayak) = 31130 = 0.023
		P(20rar yok) = 1/112 = 0.009 P(bayok) yok) = 1/112 = 0.009									PCbuyuk   bayuk = 1/130 = 0.007
		P	Chau	uk) yok	=111	w = 0.0	05				P(sorun1byyak)=4/130 = 0.030 P(gok1byyak)=1/130 = 0.007
		P	(Got	n yor)	3/112	= 0.02	6				P(yok bayak) = 1/130 = 0.007
				~							3/330=0.00+
Plyoklyok)=1/112=0.009											