

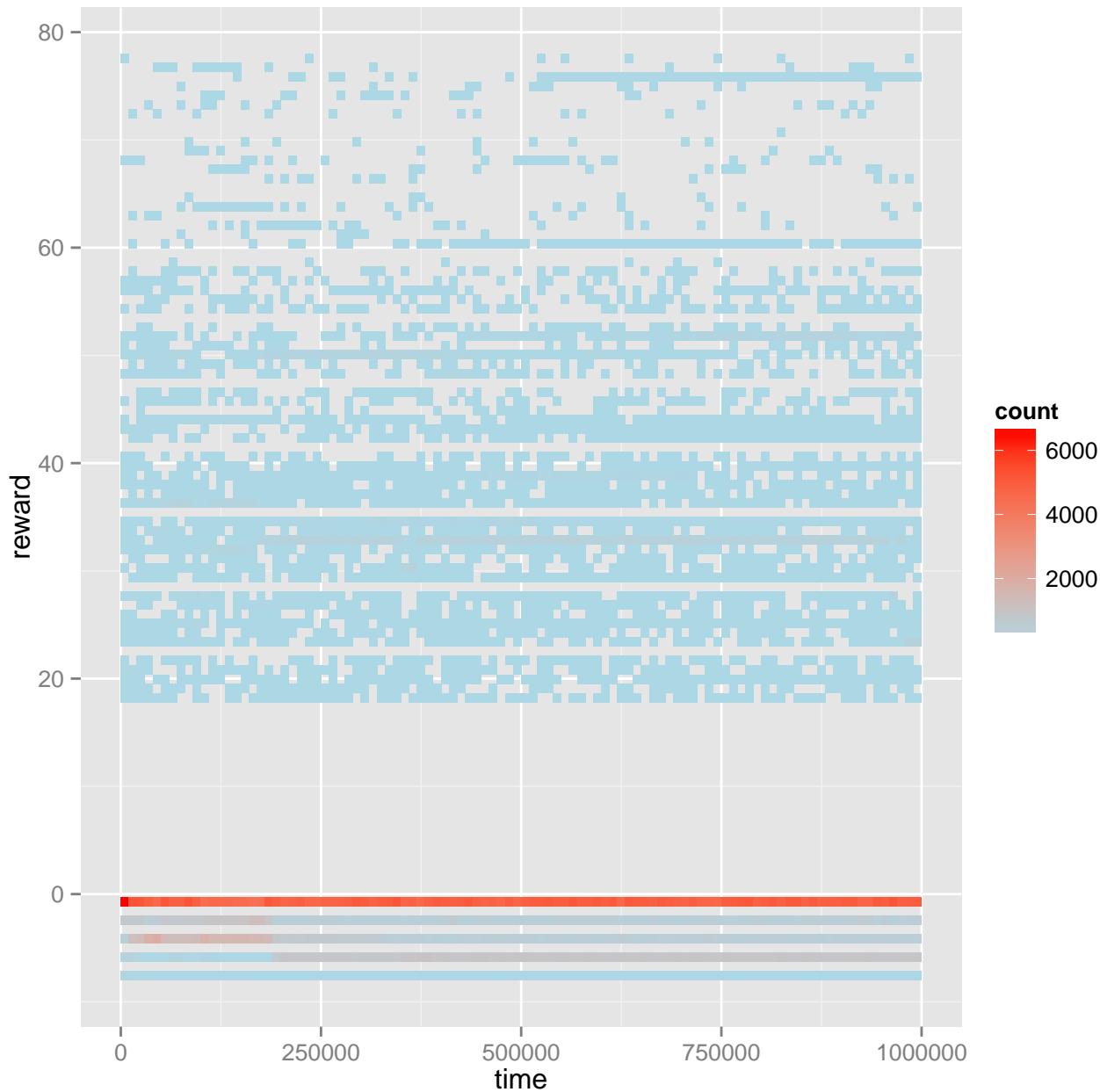
Variable Pricing

time	action	reward	busy_for
Min. : 1	wait : 89693	Min. : -8.00	Min. : 1.00
1st Qu.: 250001	drive: 194071	1st Qu.: -2.00	1st Qu.: 1.00
Median : 500000	offer: 462755	Median : -1.00	Median : 1.00
Mean : 500000	NA's : 253480	Mean : 1.61	Mean : 1.34
3rd Qu.: 750000		3rd Qu.: -1.00	3rd Qu.: 1.00
Max. : 999999		Max. : 78.00	Max. : 4.00
		NA's : 253480	NA's : 253480

location	destination	passenger	fare
4 : 156506	4 : 56032	declined: 244983	Min. : 20.0
1 : 391274	3 : 61448	accepted: 65648	1st Qu.: 41.0
2 : 61291	1 : 14504	NA's : 689368	Median : 56.0
3 : 60067	5 : 61167		Mean : 92.1
5 : 54213	2 : 56687		3rd Qu.: 122.0
6 : 23168	6 : 60793		Max. : 400.0
NA's: 253480	NA's: 689368		NA's : 689368

Observed rewards over time



# Analysis of Variance Table

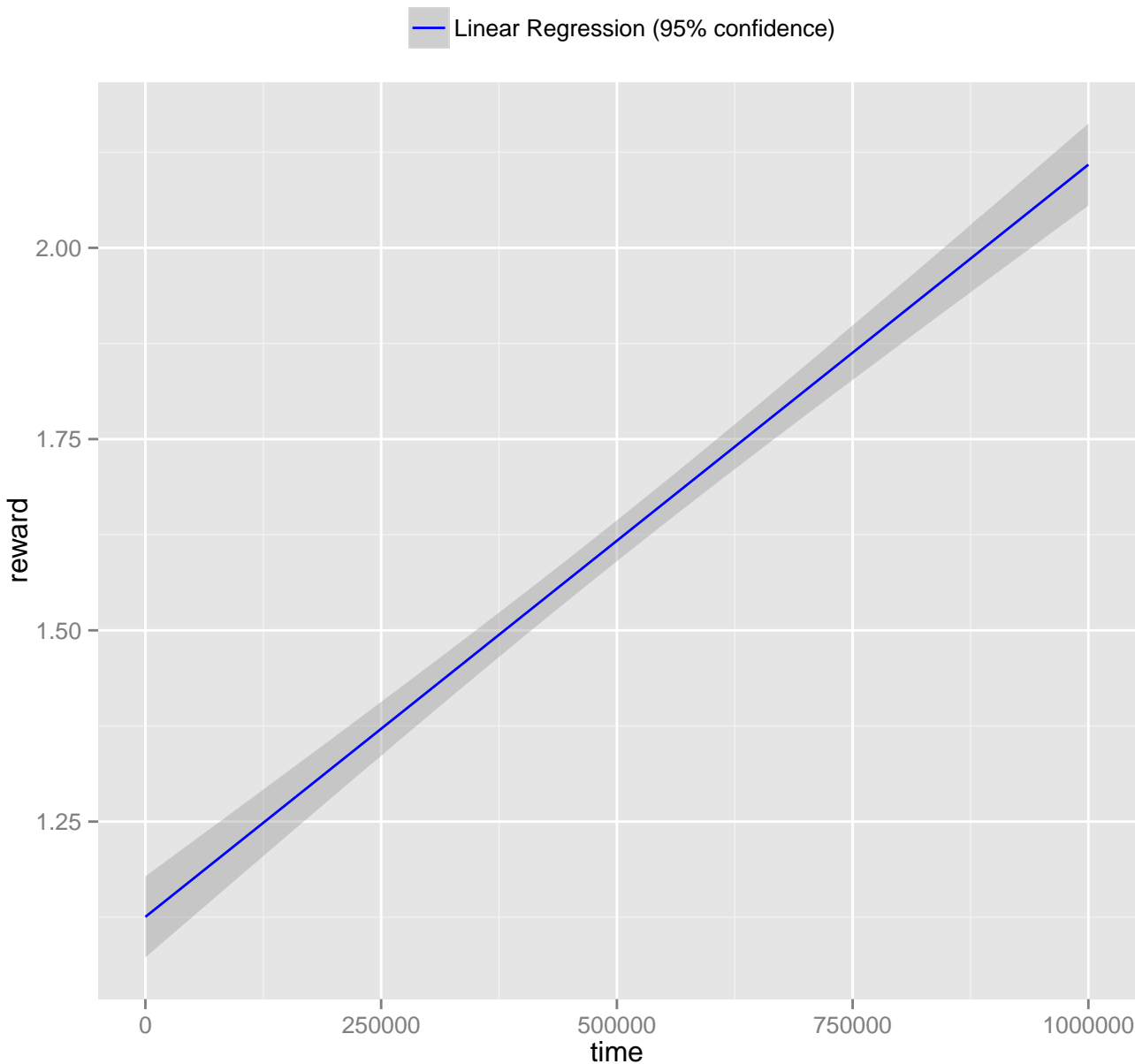
Response: reward

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
time	1	60764	60764	436.14	< 2.2e-16 ***
Residuals	746517	104006322	139		

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Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

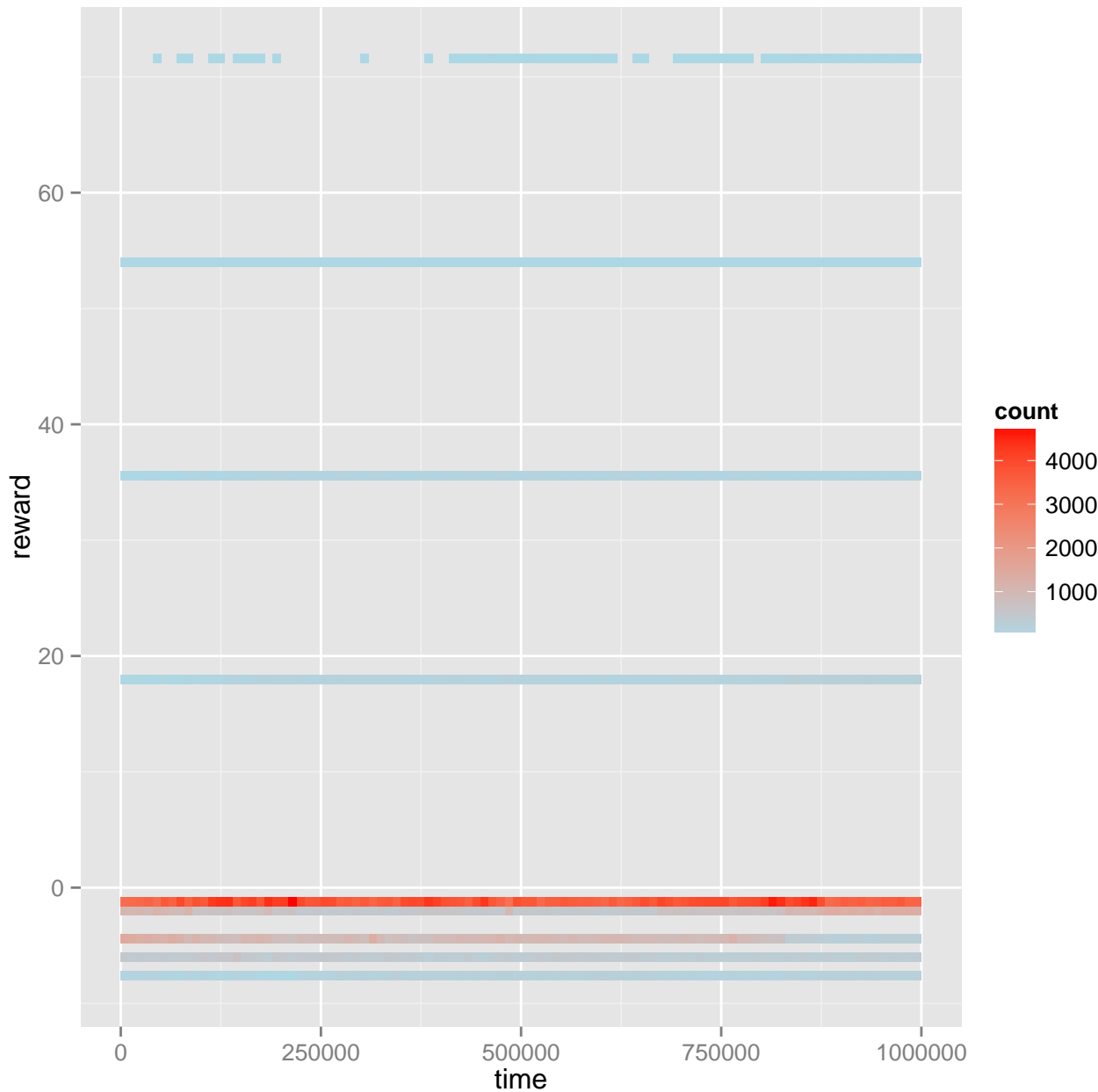
# Regression analysis of observed rewards over time



Benchmark

time		action	reward		busy_for
Min.	: 1	drive:455081	Min.	:-8.0	Min. :1.0
1st Qu.:	250001	wait :110348	1st Qu.:-2.0		1st Qu.:1.0
Median :	500001	offer: 72931	Median :-1.0		Median :1.0
Mean :	500001	NA's :361640	Mean :-0.7		Mean :1.6
3rd Qu.:	750000		3rd Qu.:-1.0		3rd Qu.:2.0
Max.	:1000000		Max. :72.0		Max. :4.0
			NA's :361640		NA's :361640
location		destination	passenger		fare
4	:120076	4 : 6767	accepted: 30838		Min. :20.0
5	: 86413	6 : 7327	declined: 8890		1st Qu.:20.0
6	: 58139	2 : 4687	NA's :960272		Median :40.0
1	: 88897	3 : 7651			Mean :35.7
3	:171430	5 : 7480			3rd Qu.:40.0
2	:113405	1 : 5816			Max. :80.0
NA's:	361640	NA's:960272			NA's :960272

Observed rewards over time





# Analysis of Variance Table

Response: reward

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
time	1	53046	53046	1103.2	< 2.2e-16 ***
Residuals	638358	30694363	48		

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Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

# Regression analysis of observed rewards over time

