

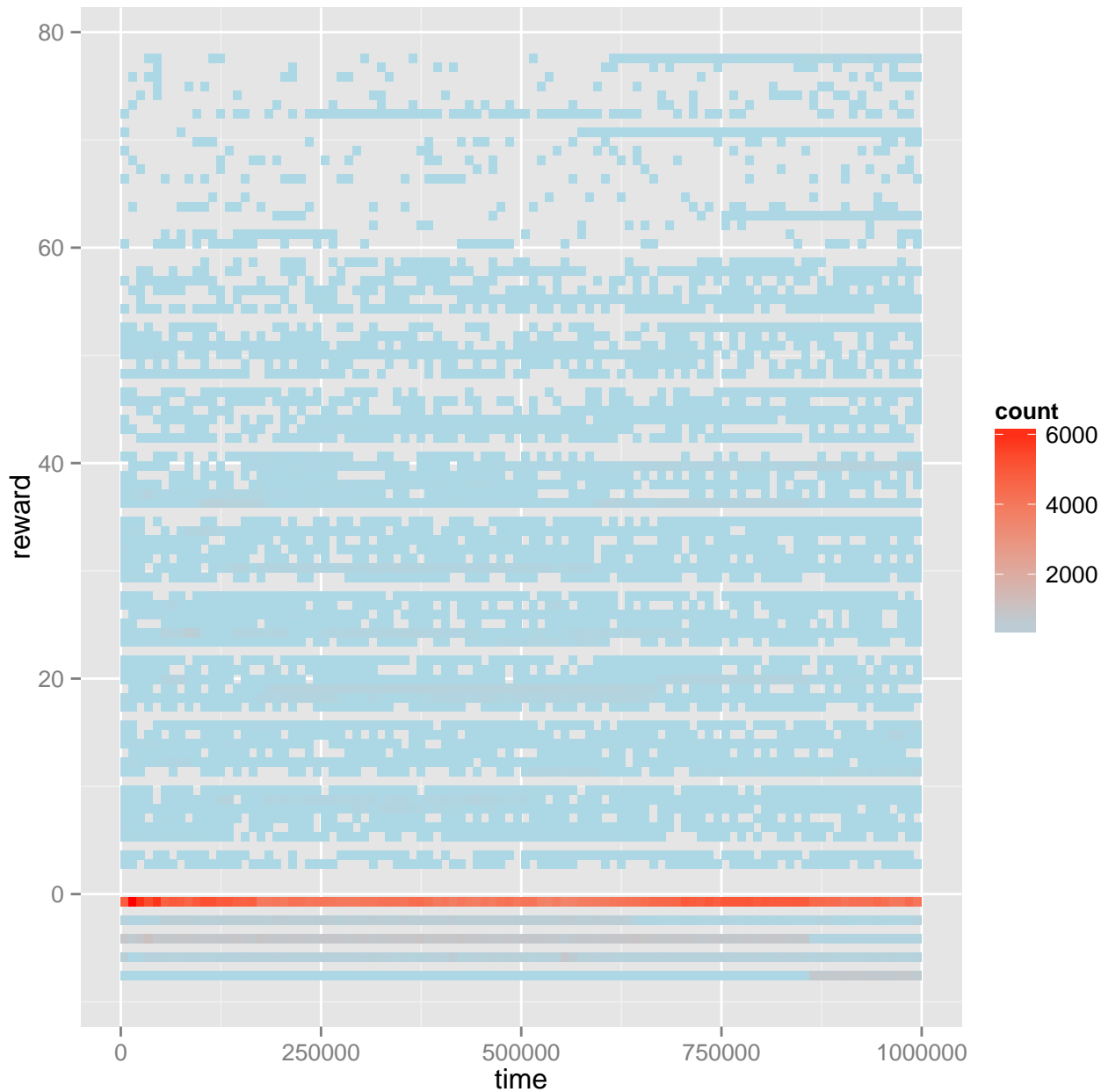
Variable Pricing

time	action	reward	busy_for
Min. : 1	wait : 10272	Min. : -8.00	Min. : 1.00
1st Qu.: 250001	drive: 248809	1st Qu.: -1.00	1st Qu.: 1.00
Median : 500000	offer: 435970	Median : -1.00	Median : 1.00
Mean : 500000	NA's : 304948	Mean : 2.82	Mean : 1.44
3rd Qu.: 750000		3rd Qu.: -1.00	3rd Qu.: 2.00
Max. : 999999		Max. : 78.00	Max. : 4.00
		NA's : 304948	NA's : 304948

location	destination	passenger	fare
4 : 100012	6 : 38399	accepted: 105336	Min. : 5.0
1 : 49876	4 : 56545	declined: 178520	1st Qu.: 34.0
2 : 276845	2 : 31562	NA's : 716143	Median : 55.0
3 : 54435	5 : 52235		Mean : 80.1
5 : 75623	3 : 50651		3rd Qu.: 96.0
6 : 138260	1 : 54464		Max. : 400.0
NA's: 304948	NA's: 716143		NA's : 716143

Observed rewards over time



# Analysis of Variance Table

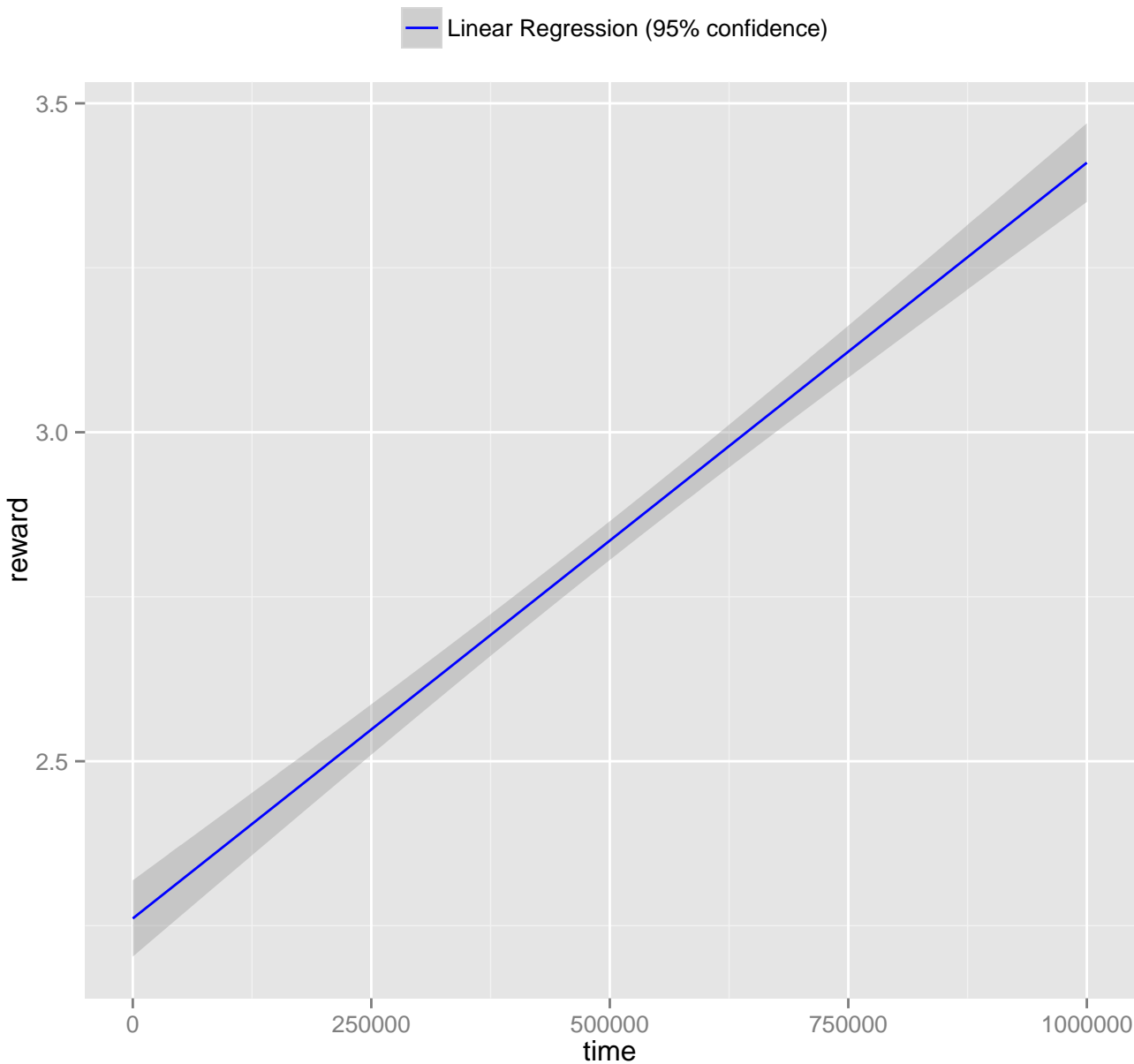
Response: reward

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
time	1	76847	76847	489.29	< 2.2e-16 ***
Residuals	695049	109162553	157		

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

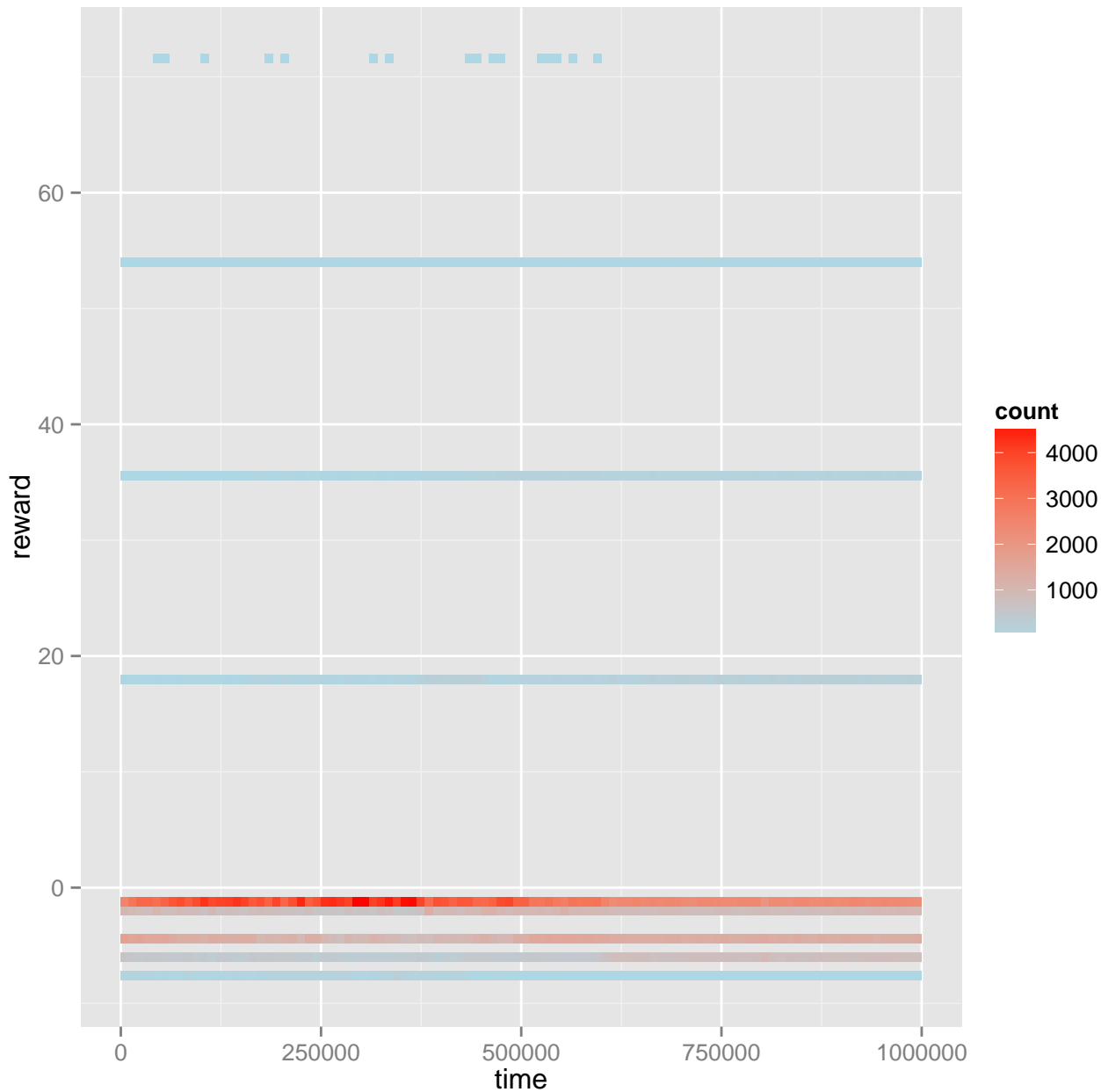
# Regression analysis of observed rewards over time



Benchmark

time		action		reward		busy_for	
Min.	:	1	wait : 87069	Min.	:-8.0	Min.	:1.0
1st Qu.:	250001	drive:	478658	1st Qu.:	-4.0	1st Qu.:	1.0
Median	: 500001	offer:	69444	Median	:-1.0	Median	:1.0
Mean	: 500001	NA's	:364829	Mean	:-0.8	Mean	:1.6
3rd Qu.:	750000			3rd Qu.:	-1.0	3rd Qu.:	2.0
Max.	:1000000			Max.	:72.0	Max.	:4.0
				NA's	:364829	NA's	:364829
location		destination		passenger		fare	
1	:155588	1	: 7617	declined:	8413	Min.	:20.0
3	:194970	3	: 4571	accepted:	33705	1st Qu.:	20.0
2	: 77849	4	: 8407	NA's	:957882	Median	:40.0
4	: 86002	6	: 7199			Mean	:34.1
5	: 71675	5	: 7554			3rd Qu.:	40.0
6	: 49087	2	: 6770			Max.	:80.0
NA's:	364829	NA's:	957882			NA's	:957882

Observed rewards over time





# Analysis of Variance Table

Response: reward

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
time	1	140847	140847	2738.9	< 2.2e-16 ***
Residuals	635169	32663373		51	

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

# Regression analysis of observed rewards over time

