

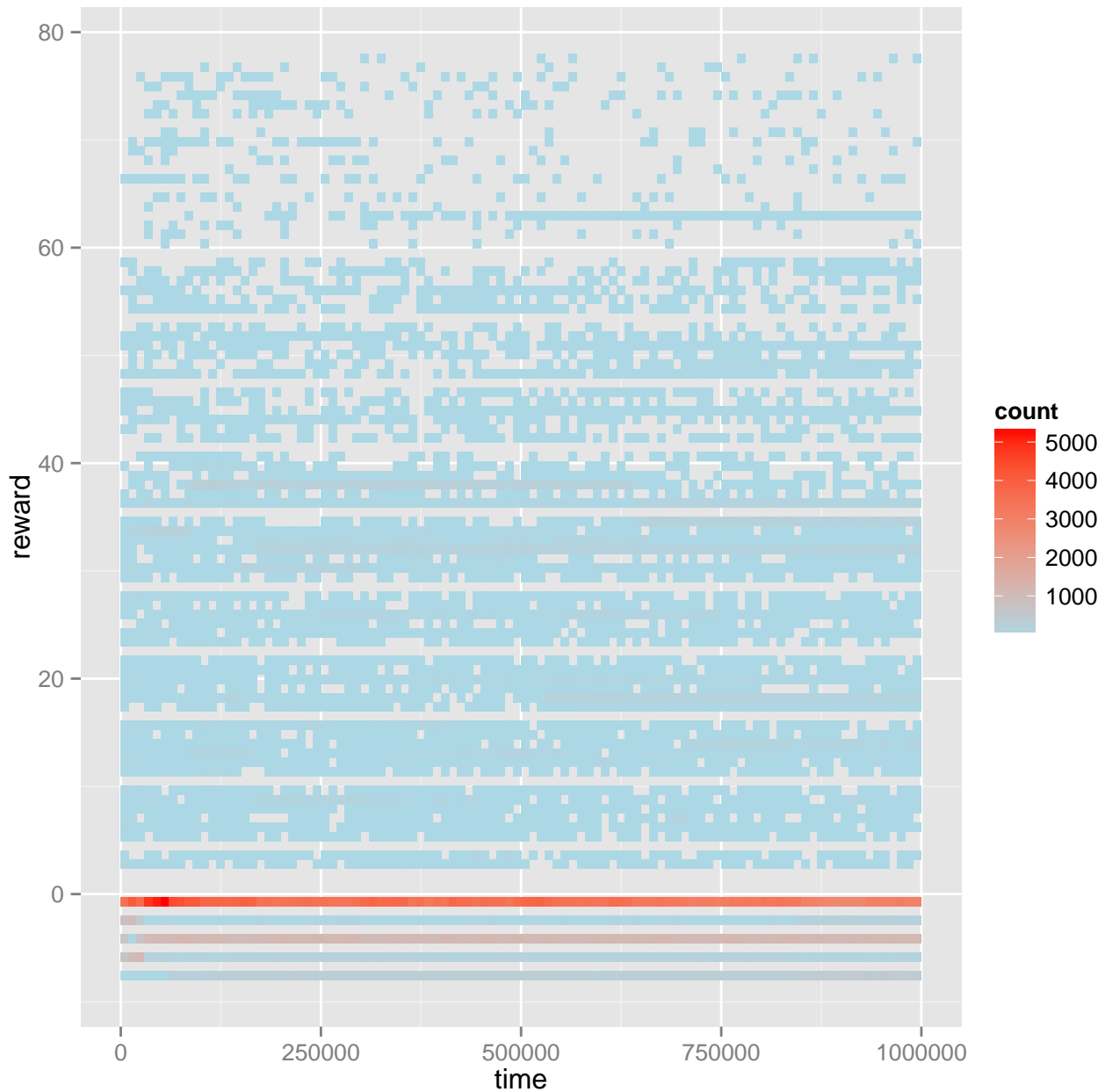
Variable Pricing

time	action	reward	busy_for
Min. : 1	wait : 15946	Min. : -8.0	Min. : 1.0
1st Qu.: 250001	drive: 215554	1st Qu.: -4.0	1st Qu.: 1.0
Median : 500000	offer: 417090	Median : -1.0	Median : 1.0
Mean : 500000	NA's : 351409	Mean : 3.4	Mean : 1.5
3rd Qu.: 750000		3rd Qu.: -1.0	3rd Qu.: 2.0
Max. : 999999		Max. : 78.0	Max. : 4.0
		NA's : 351409	NA's : 351409

location	destination	passenger	fare
2 : 68003	2 : 54164	declined: 172168	Min. : 5
1 : 62951	1 : 48096	accepted: 118691	1st Qu.: 36
3 : 217313	3 : 28987	NA's : 709140	Median : 44
4 : 166313	5 : 56643		Mean : 76
5 : 37470	6 : 52413		3rd Qu.: 96
6 : 96540	4 : 50556		Max. : 400
NA's: 351409	NA's: 709140		NA's : 709140

Observed rewards over time



# Analysis of Variance Table

Response: reward

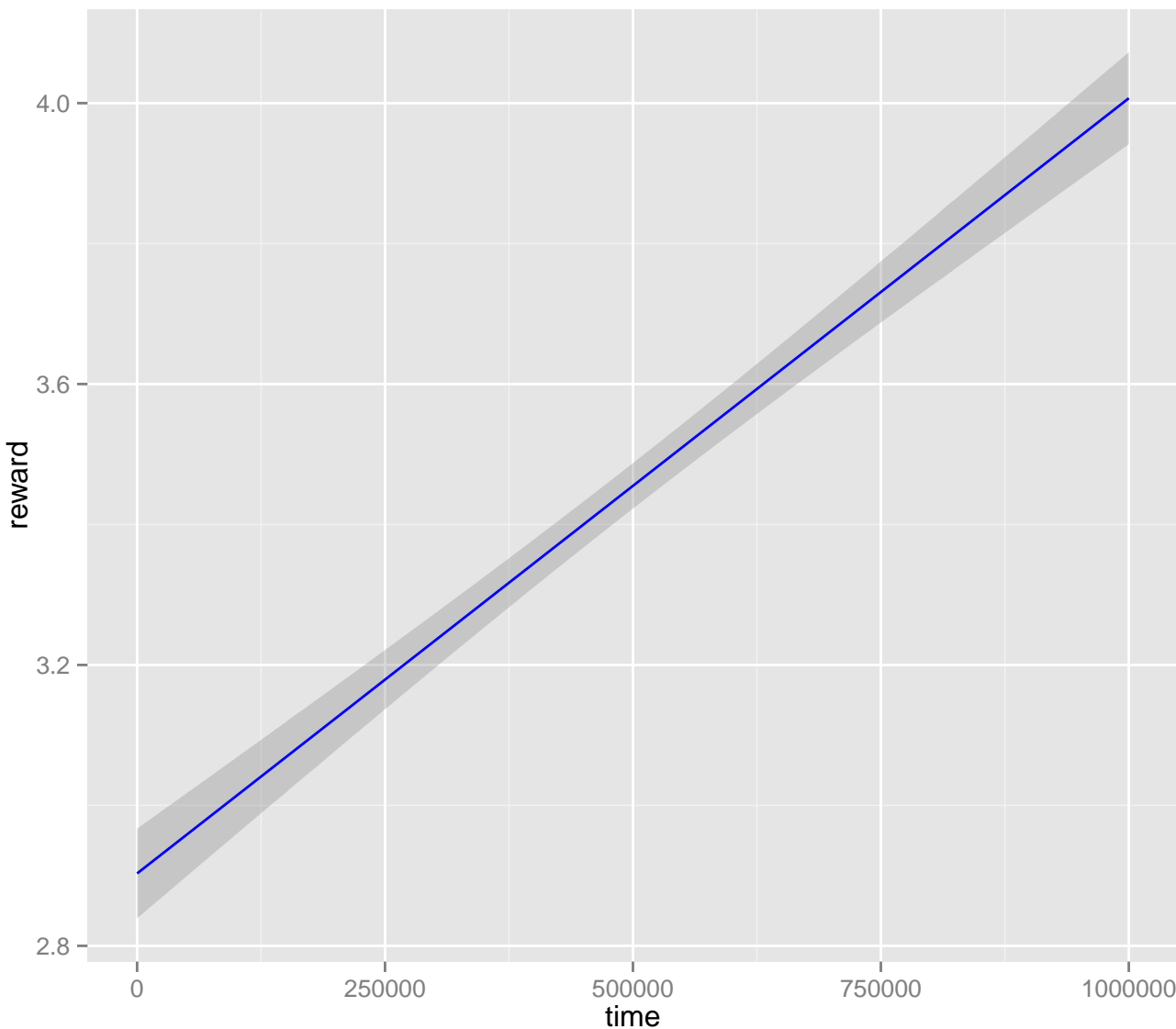
	Df	Sum Sq	Mean Sq	F value	Pr(>F)
time	1	66034	66034	372.86	< 2.2e-16 ***
Residuals	648588	114867512	177		

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

# Regression analysis of observed rewards over time

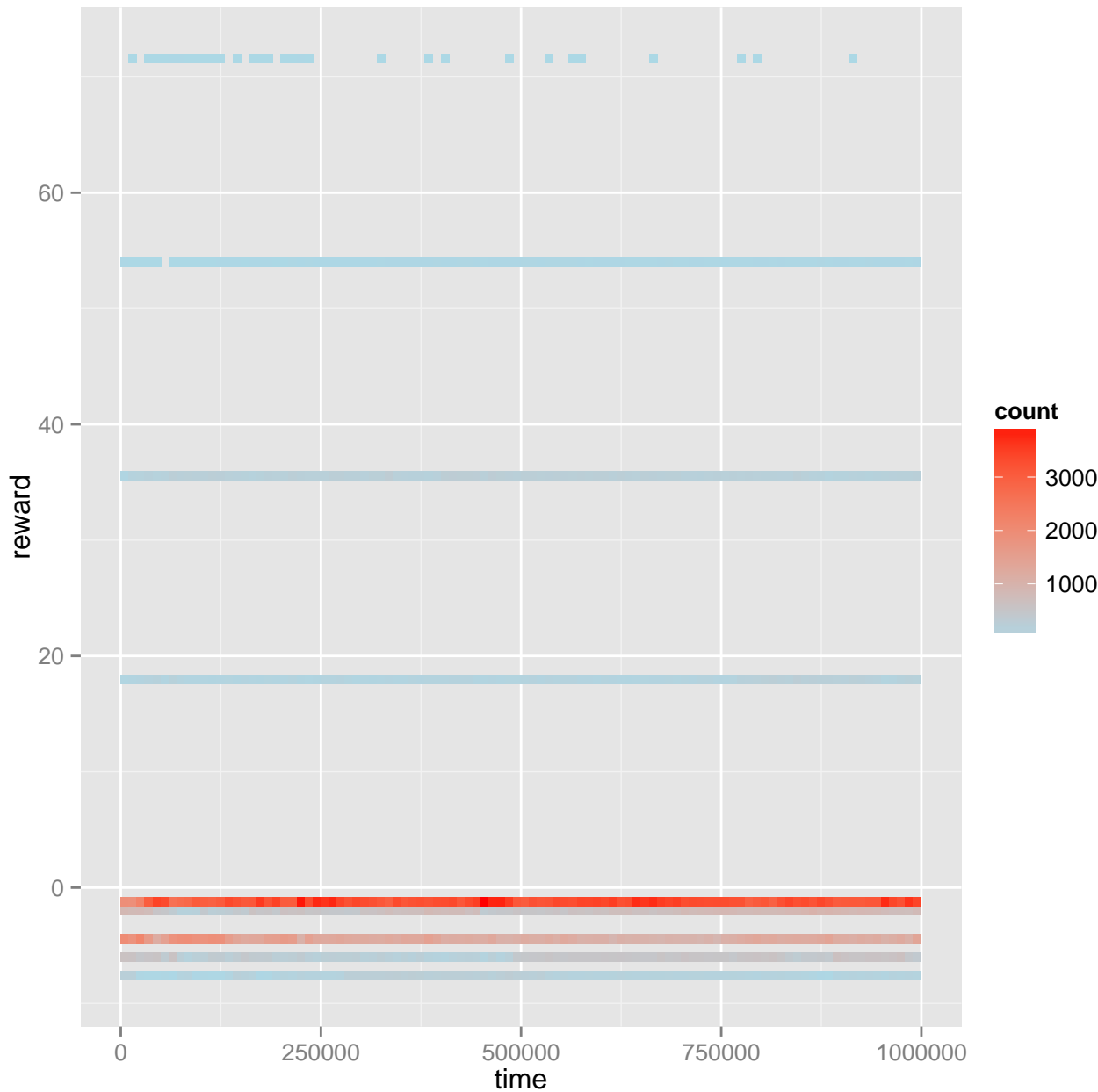
Linear Regression (95% confidence)



Benchmark

time		action		reward		busy_for	
Min.	:	1	wait :137336	Min.	:-8.0	Min.	:1.0
1st Qu.:	250001	drive:	395392	1st Qu.:	-4.0	1st Qu.:	1.0
Median	: 500001	offer:	84247	Median	:-1.0	Median	:1.0
Mean	: 500001	NA's	:383025	Mean	:-0.2	Mean	:1.6
3rd Qu.:	750000			3rd Qu.:	-1.0	3rd Qu.:	2.0
Max.	:1000000			Max.	:72.0	Max.	:4.0
				NA's	:383025	NA's	:383025
location		destination		passenger		fare	
6	:125195	1	: 8962	accepted:	39118	Min.	:20.0
1	: 70521	2	: 9799	declined:	15125	1st Qu.:	20.0
2	:120027	4	: 9136	NA's	:945757	Median	:40.0
4	:117117	5	: 10564			Mean	:38.9
5	: 56038	6	: 9469			3rd Qu.:	40.0
3	:128077	3	: 6313			Max.	:80.0
NA's:	383025	NA's:	945757			NA's	:945757

Observed rewards over time





# Analysis of Variance Table

Response: reward

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
time	1	10242	10241.8	136.3	< 2.2e-16 ***
Residuals	616973	46361124	75.1		

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

# Regression analysis of observed rewards over time

