

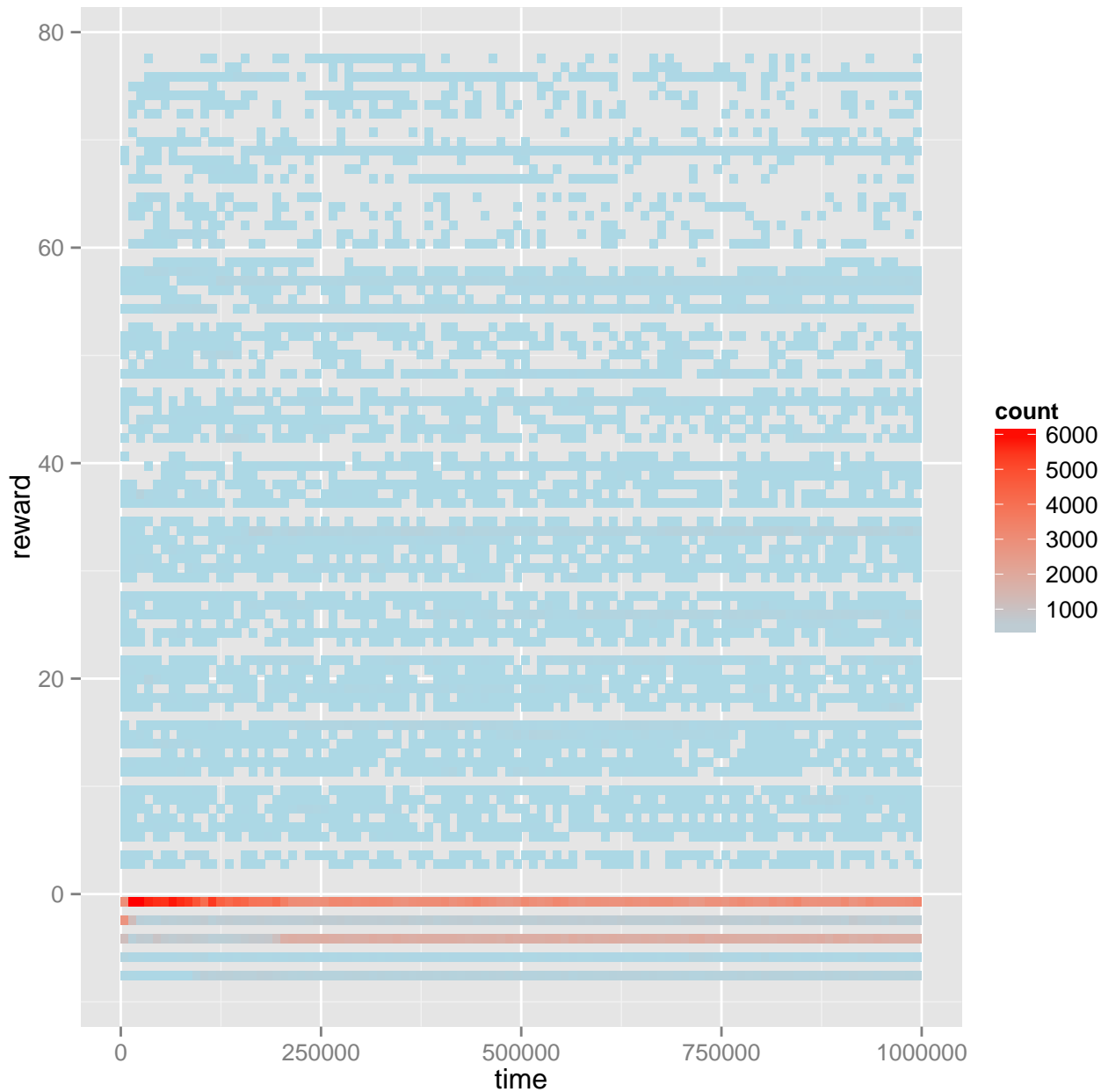
Variable Pricing

time	action	reward	busy_for
Min. : 1	wait : 4828	Min. : -8.0	Min. : 1.0
1st Qu.: 250001	drive: 262046	1st Qu.: -4.0	1st Qu.: 1.0
Median : 500000	offer: 388565	Median : -1.0	Median : 1.0
Mean : 500000	NA's : 344560	Mean : 2.5	Mean : 1.5
3rd Qu.: 750000		3rd Qu.: -1.0	3rd Qu.: 2.0
Max. : 999999		Max. : 78.0	Max. : 4.0
		NA's : 344560	NA's : 344560

location	destination	passenger	fare
3 : 63852	3 : 48419	declined: 164557	Min. : 5
1 : 45736	1 : 48888	accepted: 81745	1st Qu.: 40
2 : 171926	5 : 49092	NA's : 753697	Median : 60
4 : 237286	4 : 22702		Mean : 91
6 : 98452	2 : 35941		3rd Qu.: 104
5 : 38187	6 : 41260		Max. : 400
NA's: 344560	NA's: 753697		NA's : 753697

Observed rewards over time



### Analysis of Variance Table

Response: reward

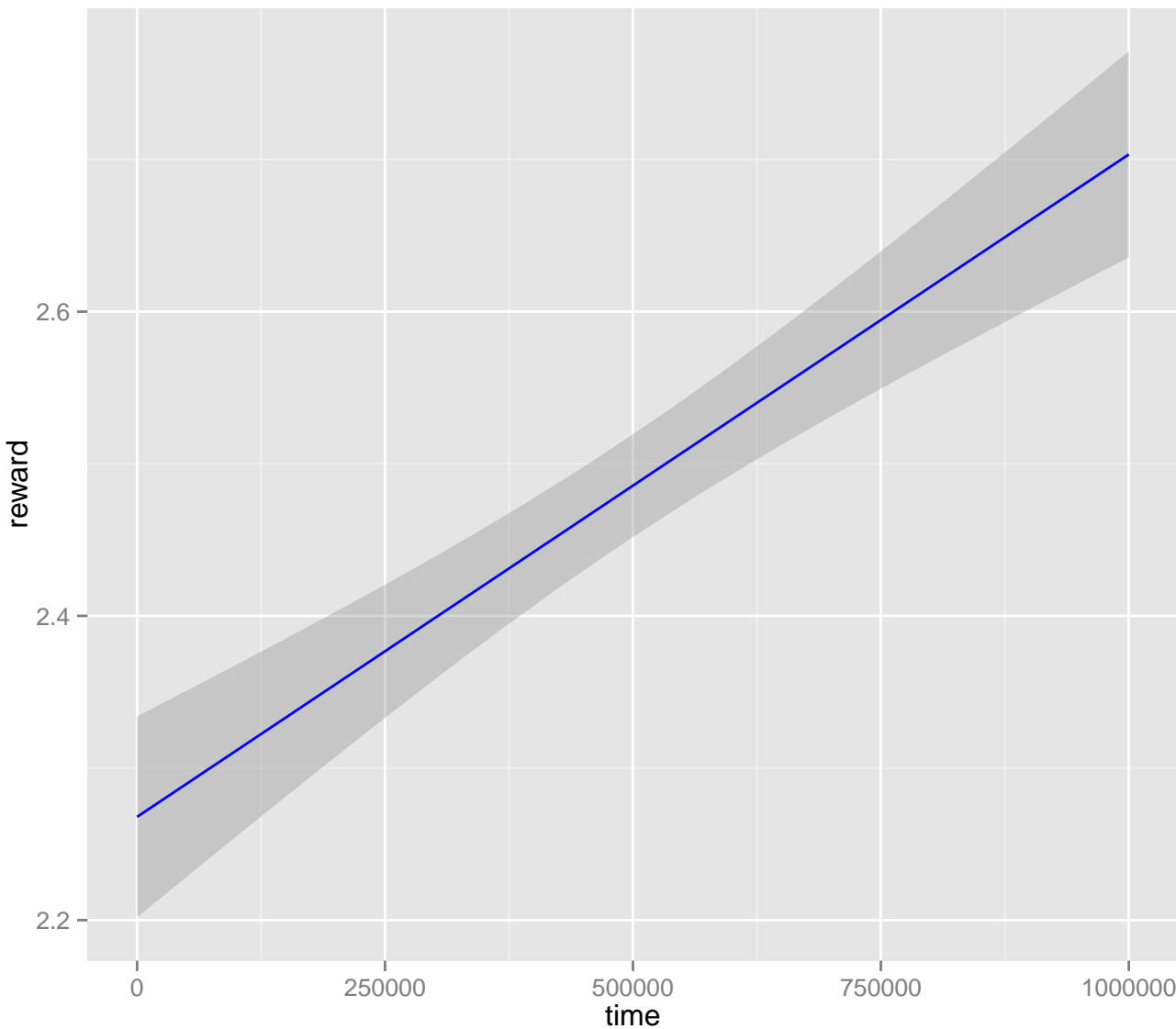
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              Df      Sum Sq Mean Sq F value    Pr(>F)
time              1        10617  10616.7    54.523 1.538e-13 ***
Residuals 655437 127625345      194.7
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Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

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# Regression analysis of observed rewards over time

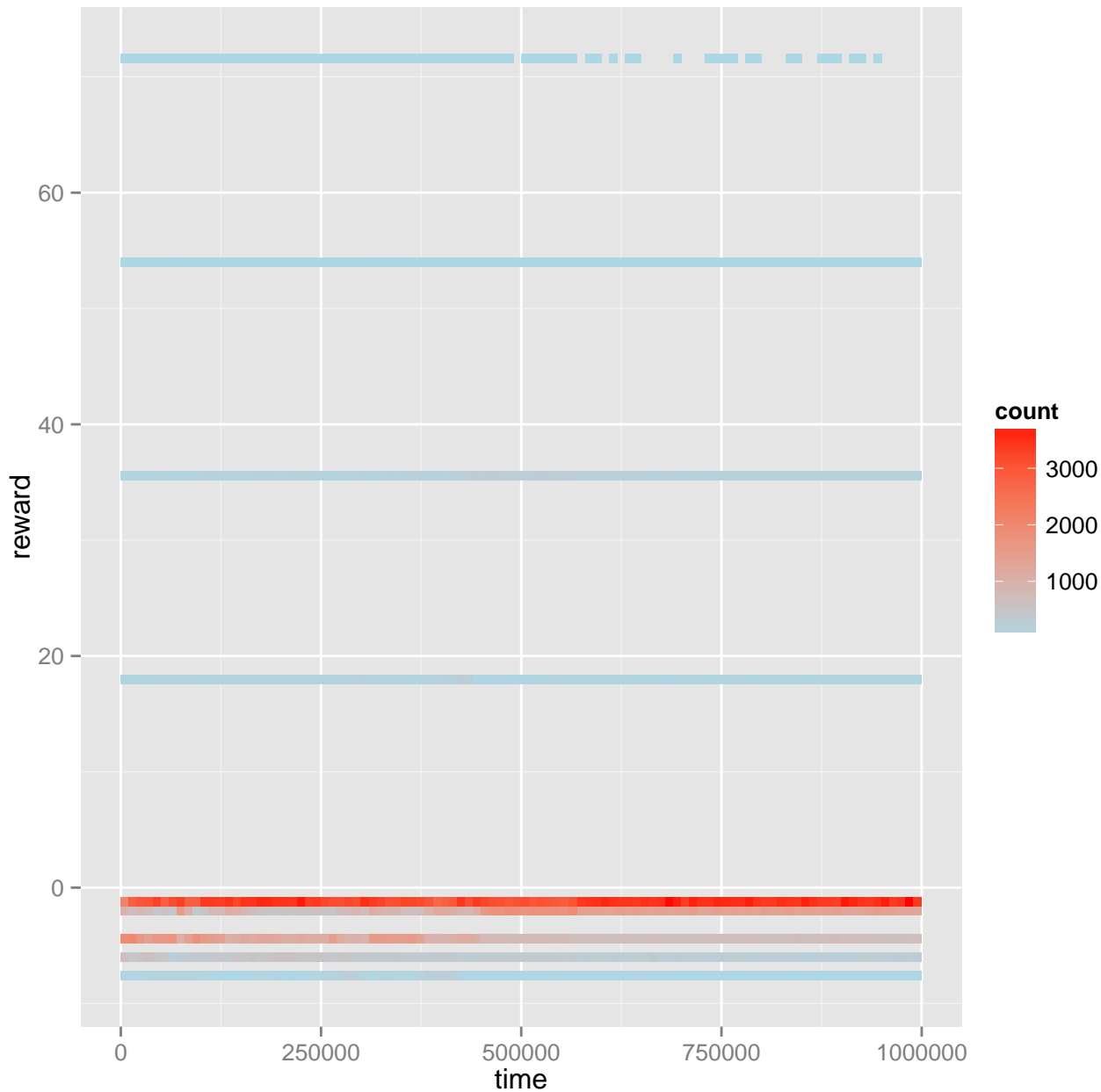
Linear Regression (95% confidence)



Benchmark

time		action		reward		busy_for	
Min.	: 1	drive:449574		Min.	:-8.0	Min.	:1.0
1st Qu.:	250001	wait :106834		1st Qu.:	-2.0	1st Qu.:	1.0
Median	: 500001	offer: 62565		Median	:-1.0	Median	:1.0
Mean	: 500001	NA's :381027		Mean	:-0.5	Mean	:1.6
3rd Qu.:	750000			3rd Qu.:	-1.0	3rd Qu.:	2.0
Max.	:1000000			Max.	:72.0	Max.	:4.0
				NA's	:381027	NA's	:381027
location		destination		passenger		fare	
1	: 98793	3	: 7308	accepted: 28963		Min.	:20.0
2	: 98733	4	: 2918	declined: 8291		1st Qu.:	20.0
3	: 78596	1	: 7449	NA's :962746		Median	:40.0
4	:202280	2	: 5873			Mean	:38.8
5	: 74350	6	: 6265			3rd Qu.:	40.0
6	: 66221	5	: 7441			Max.	:80.0
NA's:381027		NA's:962746				NA's	:962746

Observed rewards over time





# Analysis of Variance Table

Response: reward

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
time	1	35677	35677	640.41	< 2.2e-16 ***
Residuals	618971	34482482	56		

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

# Regression analysis of observed rewards over time

