WILL MY KIVA LOAN GET FUNDED?

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WHAT IS KIVA?

- Kiva is a peer to peer microloan website.

- Kiva's partners create loans and post them to the site.

- Kiva's users then donate money to fund specific loans.

- The person receiving the loan then pays the loan back over a period of months (or years).

- Loans are typically in poorer areas, however there are also of plenty of loans to Americans.

WHAT IF A KIVA LOAN DOESN'T GET FUNDED?

- After 30 days, if the Kiva loan is not fully funded, it is removed from the site.

- Kiva's partner assumes the risk on the loan, which makes them less likely to work with Kiva in the future.

- Kiva NEEDS to fully fund its loans.

Fund a loan, get repaid, fund another. ?

Funded

Total loan: $300
Powered by 10 lenders

Avencio

Lima, Peru / Weaving

Find a new loan

A loan of $300 helped to invest in the bulk purchase of wool and cotton yarn, and also to hire additional artisans for his workshop.
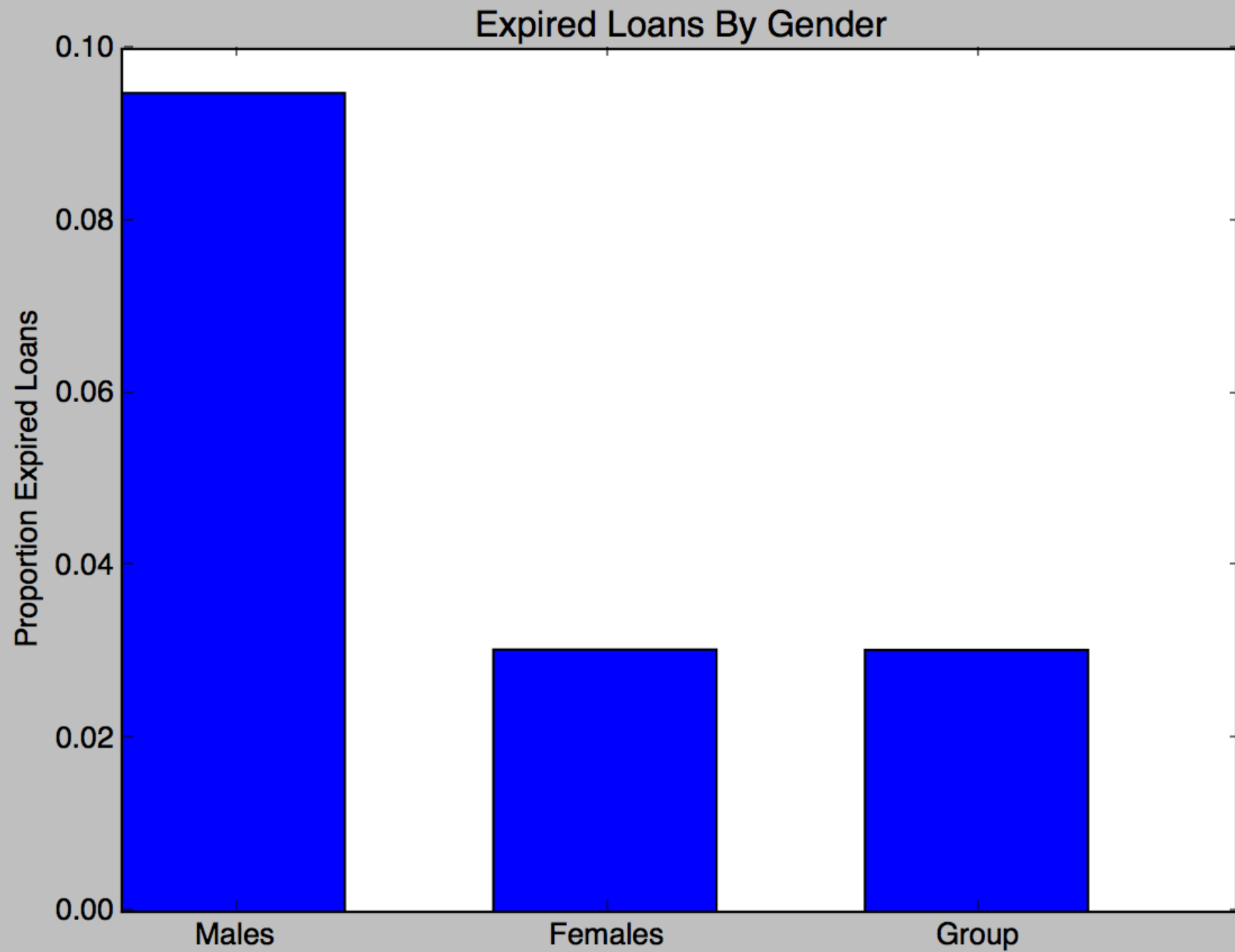
THE DATA

- 94,862 unique loans

- 3,406 did not get funded, or 3.59%

- Average loan size: $827

- Most popular countries: Philippines, Kenya,

- Most popular industries: Farming, General Store

- Least popular country: Chad

- Least popular industry: Well digging

Histogram of Kiva Loan Size

Mean Loan Size by Gender

Expired Loans By Gender
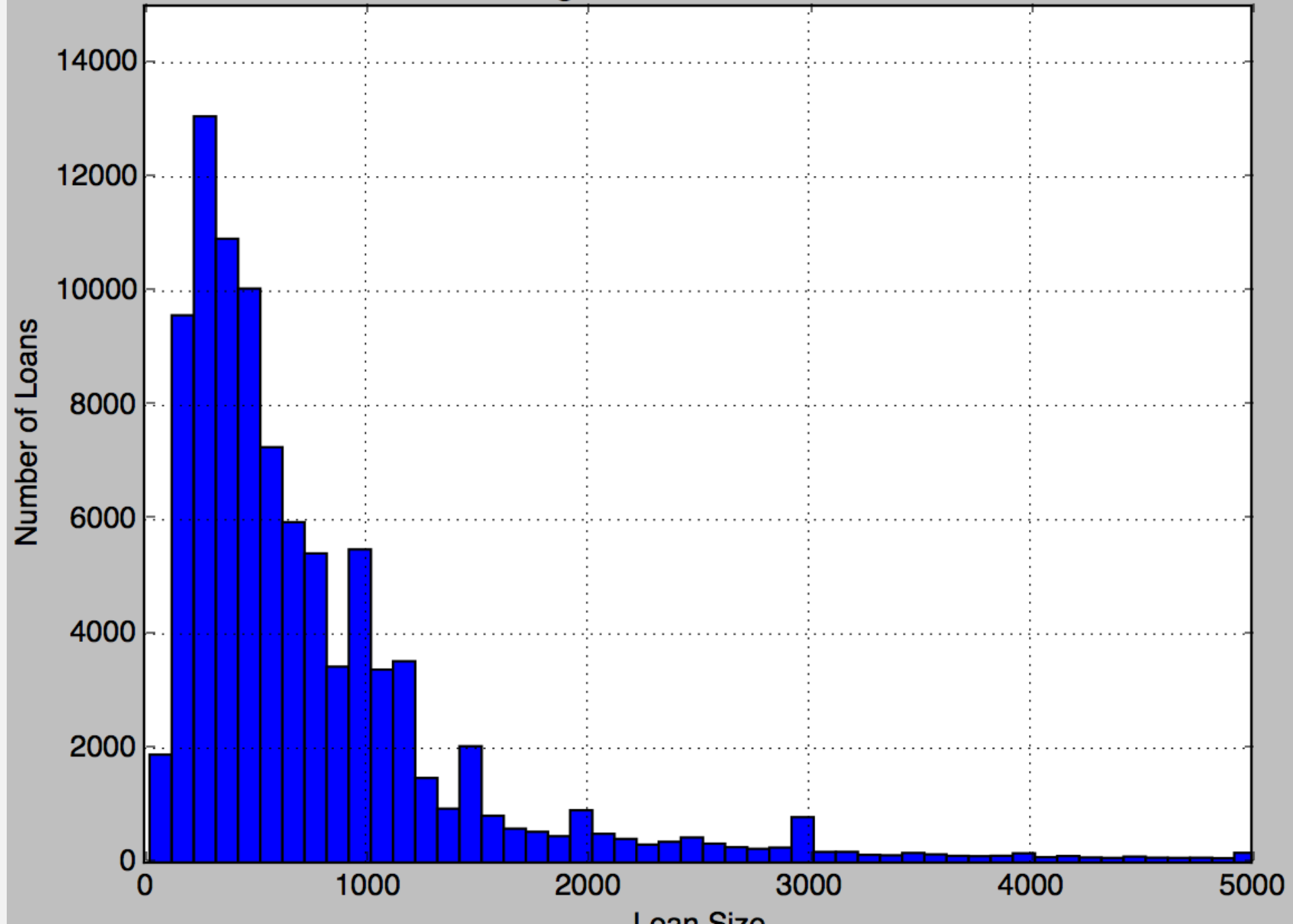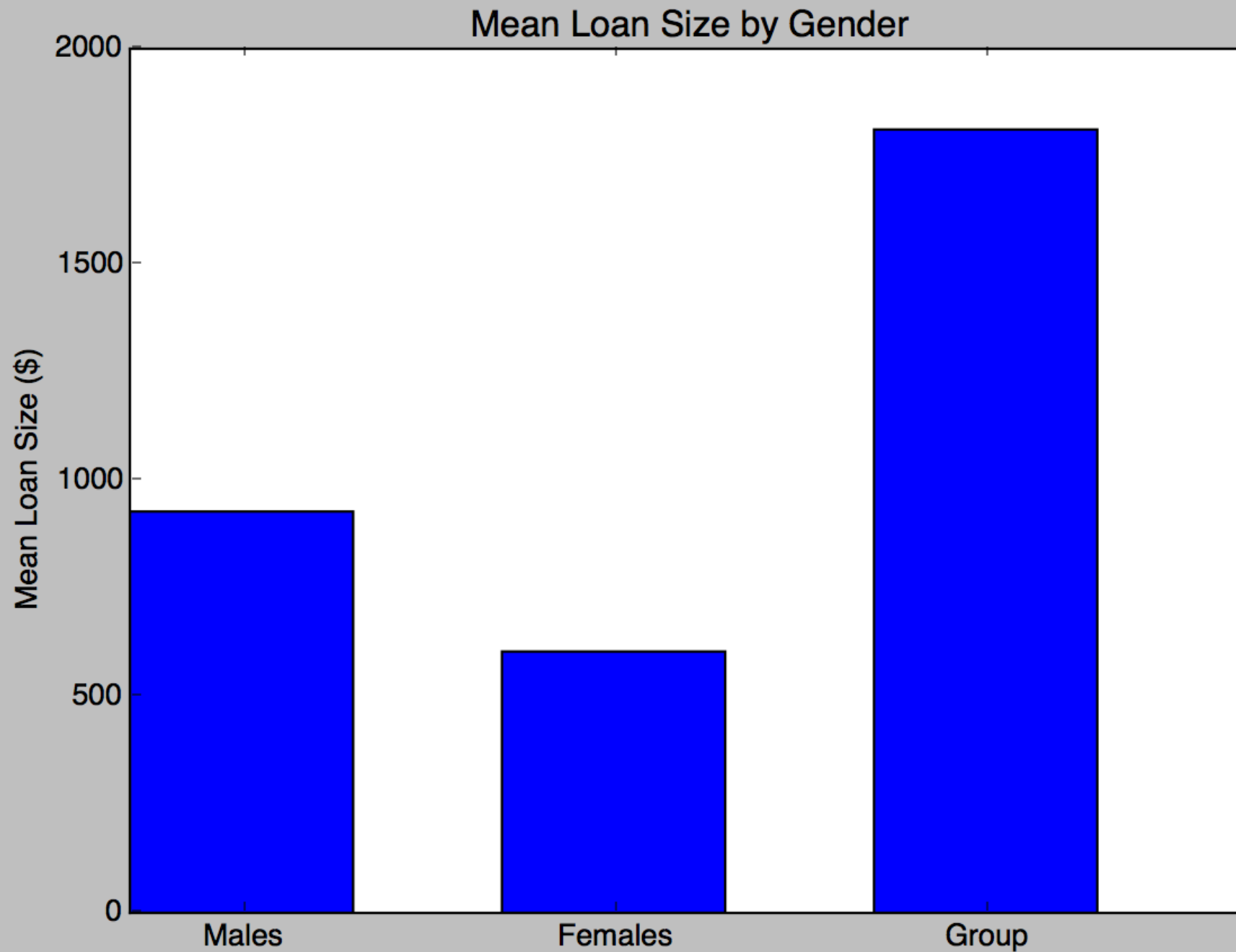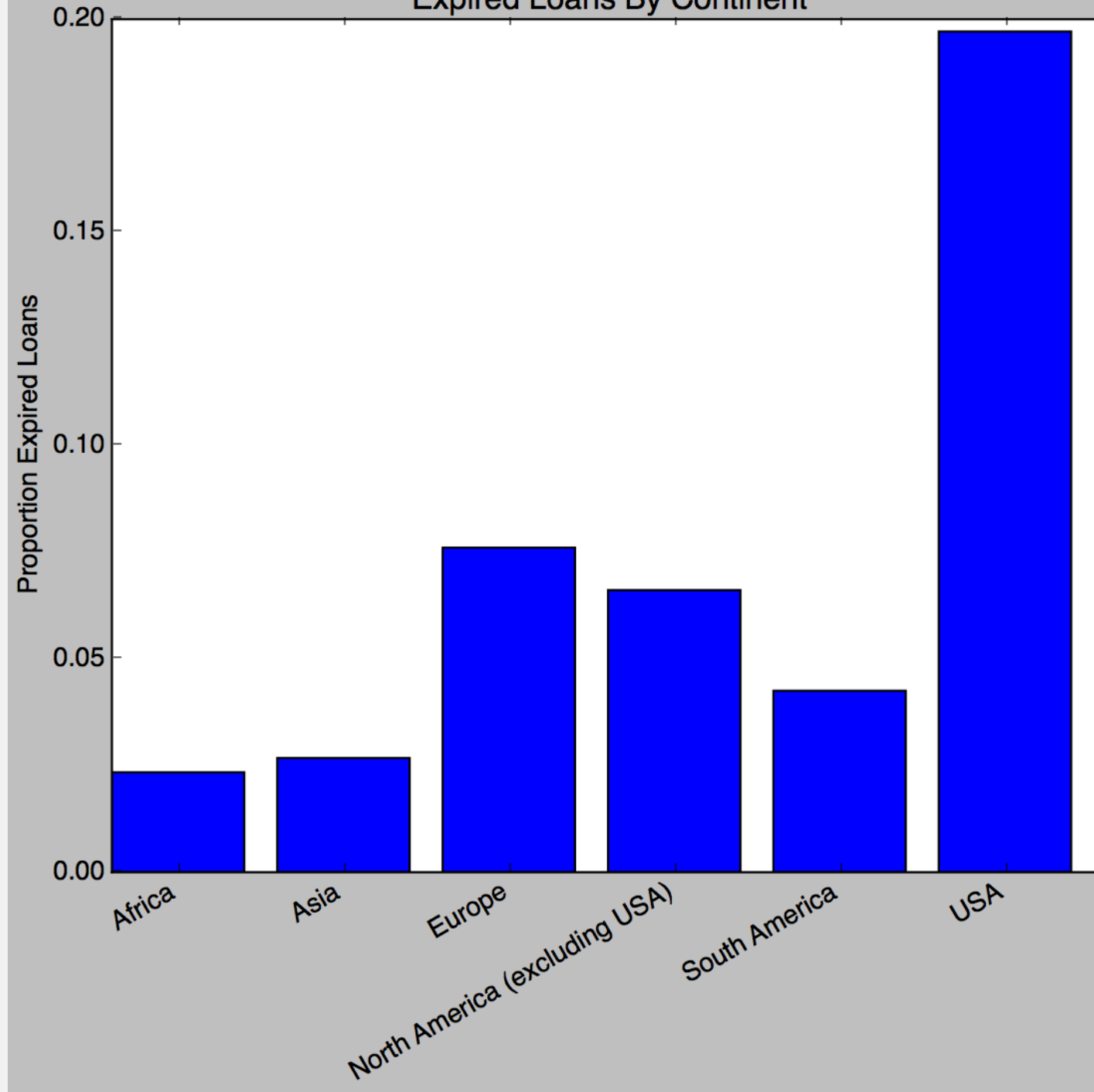
Expired Loans By Continent

REGRESSION MODEL

- Loan Size: $

- Group: Dummy variable

- Female: Dummy variable

- Months: Loan Length in month

- Continents: Dummy Variables for each continent (USA excluded)

Results: Logit

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Model:	Logit	Pseudo R-squared:	0.063
Dependent Variable:	y	AIC:	27506.3565
Date:	2016-08-14 18:09	BIC:	27591.4952
No. Observations:	94831	Log-Likelihood:	-13744.
Df Model:	8	LL-Null:	-14674.
Df Residuals:	94822	LLR p-value:	0.0000
Converged:	1.0000	Scale:	1.0000
No. Iterations:	8.0000		

	Coef.	Std.Err.	z	P>|z|	[0.025	0.975]
months	0.0358	0.0014	24.9921	0.0000	0.0330	0.0387
group	-0.8738	0.0650	-13.4379	0.0000	-1.0013	-0.7464
female	-1.0244	0.0446	-22.9461	0.0000	-1.1119	-0.9369
Asia	-1.0106	0.1828	-5.5281	0.0000	-1.3689	-0.6523
North_America	-0.1265	0.1837	-0.6884	0.4912	-0.4865	0.2336
South_America	-0.4712	0.1840	-2.5604	0.0105	-0.8319	-0.1105
Europe	-0.3659	0.1926	-1.9000	0.0574	-0.7434	0.0116
Africa	-1.0733	0.1862	-5.7643	0.0000	-1.4382	-0.7083
intercept	-2.2547	0.1824	-12.3618	0.0000	-2.6121	-1.8972

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TRANSFORMED TO ODDS

- Months: One more month = 3.65% increase in odds of expiring

- Group: 58.2% decrease in odds of expiring

- Female: 64.1% decrease in odds

- Asia: 63.6% decrease in odds relative to USA

- North America: 11.9% decrease in odds relative to USA

- South America: 37.5% decrease in odds relative to USA

- Europe: 65.8% decrease in odds relative to USA

- Africa: 89.5% decrease in odds relative to USA

ANY QUESTIONS?