# Summary Report: Credit Data

**CAPP 30254** 

April 20, 2015



PRIMARY INVESTIGATOR:

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# 1-i. Summary Data for Serious Delinquencies in the Last Two Years:

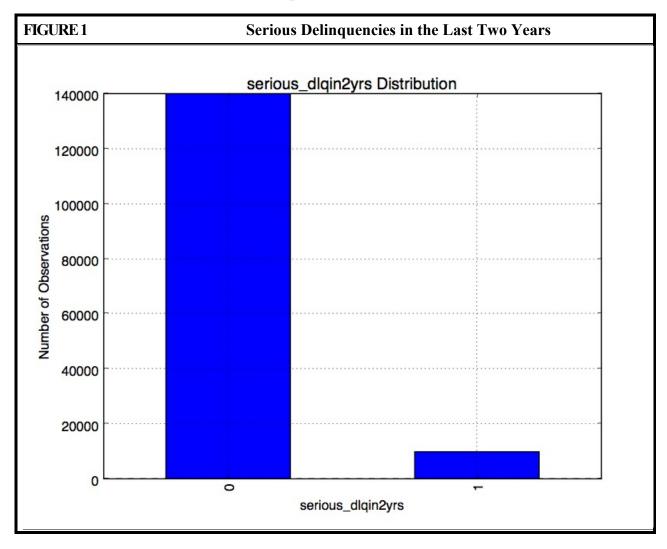


TABLE 1	Serious Delinquencies in the Last Two Years		
	N =	150,000	
	Missing =	0	
	Percent Delinquent =	6.68%	
	Mean =	0.067	
	Median =	0.00	
	Min, Max =	(0, 1)	
Source: cs-training.csv			

# 1-ii. Summary Data for Revolving Utilization of Unsecured Lines:

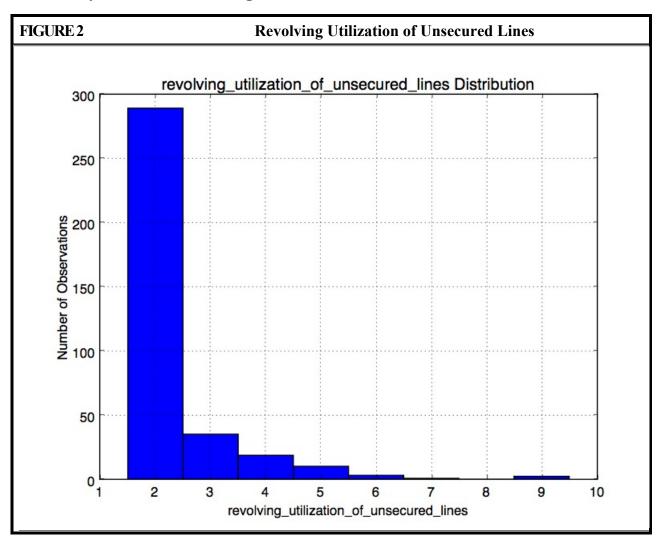


TABLE 2	Revolving Utilization of Unsecured Lines		
	N =	150,000	
	Missing =	0	
	Mean =	6.05	
	Median =	0.15	
	Standard Deviation =	249.76	
	Min, Max =	(0, 50,708)	
Source: cs-trainin	ng.csv		

# 1-iii. Summary Data for Age:

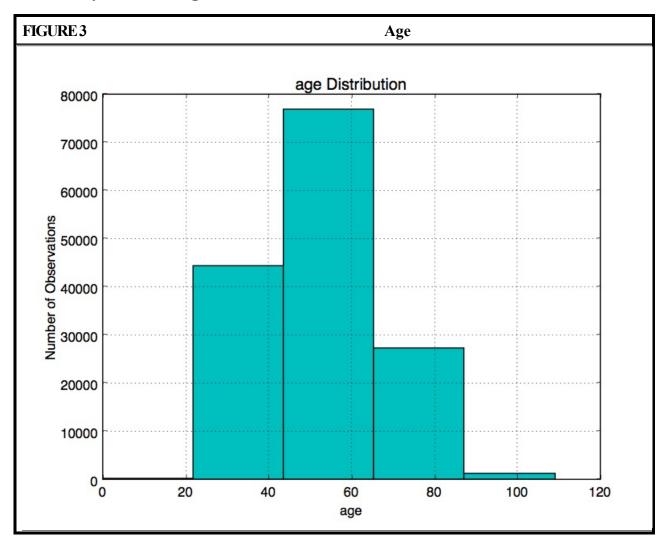


TABLE3	Age	
И =	150,000	
Missing =	0	
Mean =	52	
Median =	52	
Mode =	49	
Standard Deviation =	15	
Min, Max =	(0,	109)
Source: cs-training.csv		

# 1-iv. Summary Data for Number of Times 30-59 Days Past Due (Not Worse):

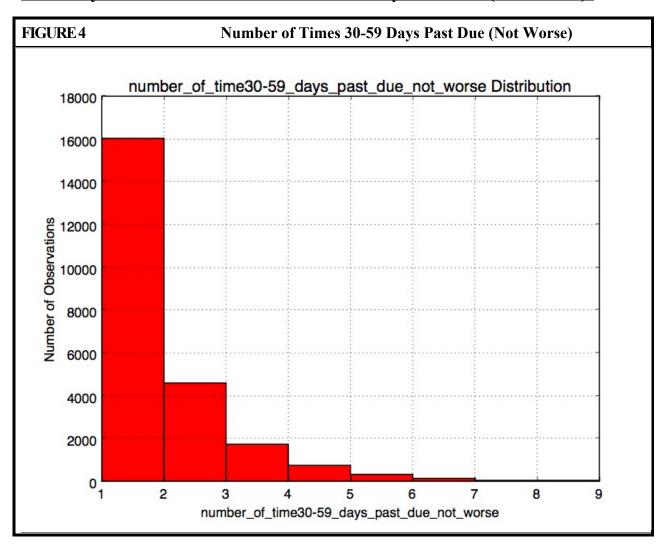


TABLE 4	Number of Times 30-59 Days Past Due (Not Worse)		
	N =	150,000	
	Missing =	0	
	Mean =	0.42	
	Median =	0.00	
	Standard Deviation =	4.19	
	Min, Max =	(0, 98)	
Source: cs-traini	ing.csv		

# 1-v. Summary Data for Number of Times 60-89 Days Past Due (Not Worse):

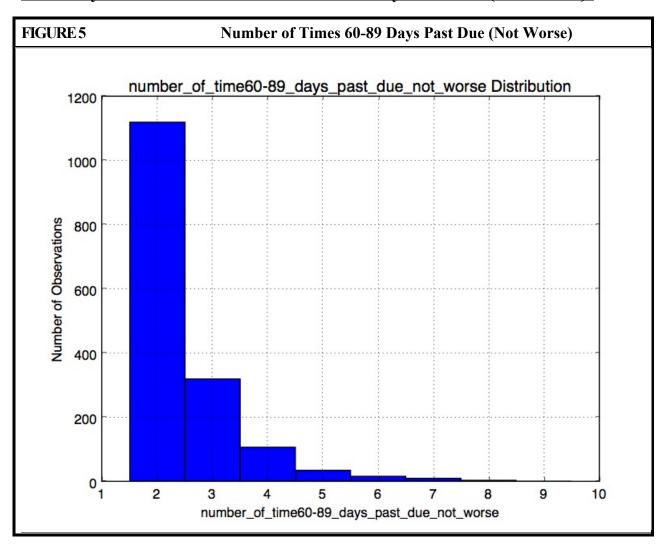


TABLE 5	Number of Times 60-89 Days Past Due (Not Worse)		
	N =	150,000	
	Missing =	0	
	Mean =	0.24	
	Median =	0.00	
	Standard Deviation =	4.16	
	Min, Max =	(0, 98)	
Source: cs-trainir	ng.csv		

# 1-vi. Summary Data for Debt Ratio:

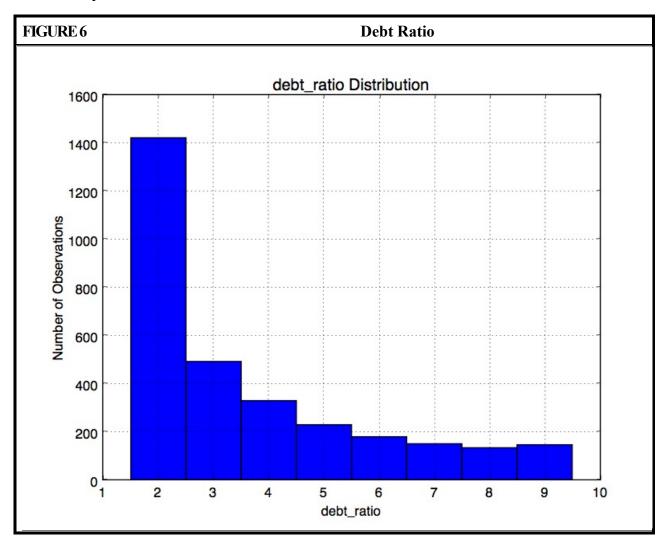


TABLE 6	Debt Ratio		
	И =	150,000	
	Missing =	0	
	Mean =	353.01	
	Median =	0.37	
	Standard Deviation =	2037.82	
	Min, Max =	(0, 329,664)	
Source: cs-training	,CSV		

# 1-vii. Summary Data for Monthly Income:

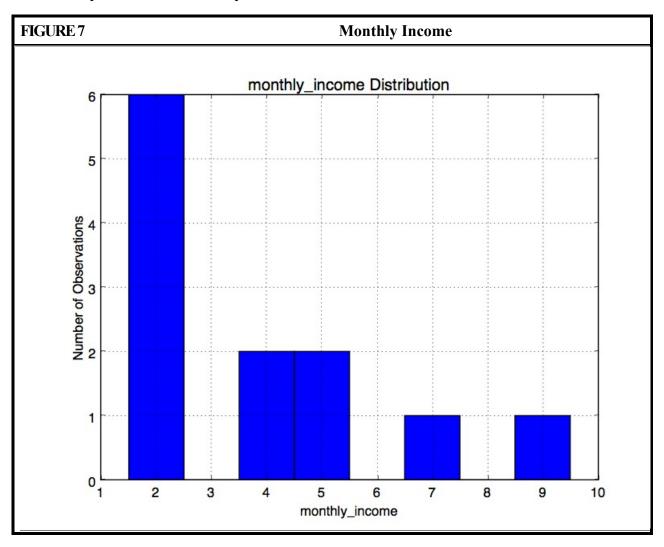


TABLE 7	Monthly Income		
	N =	120,269	
	Missing =	29,271	
	Mean =	6,670.22	
	Median =	5,400.00	
	Standard Deviation =	14,384.67	
	Min, Max =	(0, 3,008,750)	
Source: cs-trainin	ng.csv		

#### 1-viii. Summary Data for Number of Open Credit Lines and Loans:

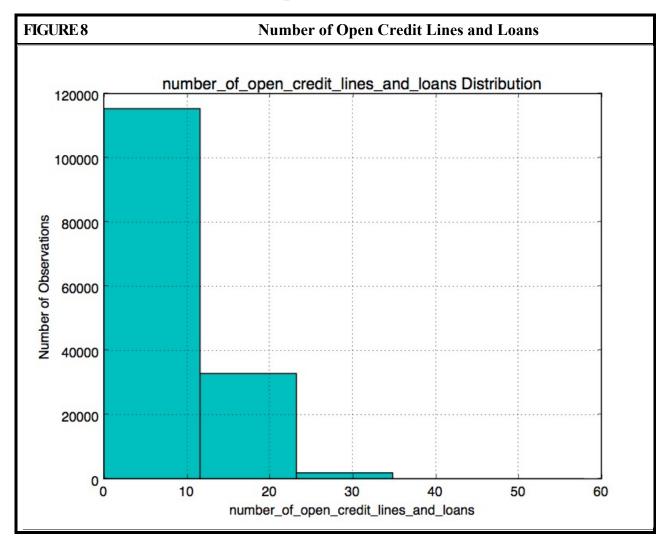


TABLE 8	Number of Open Credit Lines and Loans		
	N =	150,000	
	Missing =	0	
	Mean =	8.45	
	Median =	8.00	
	Mode =	6.00	
Stand	dard Deviation =	5.15	
	Min, Max =	(0, 58)	
Source: cs-training.csv			

# 1-ix. Summary Data for Number of Times 90 Days Late:

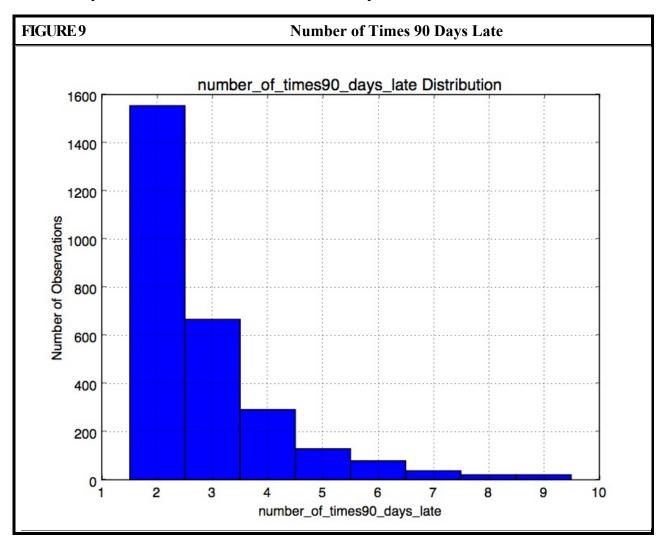


TABLE 9	Number of Times 90 Days Late		
	N =	150,000	
	Missing =	0	
	Mean =	0.27	
	Median =	0.00	
	Standard Deviation =	4.17	
	Min, Max =	(0, 98)	
Source: cs-train	ing.csv		

#### 1-x. Summary Data for Number of Real Estate Loans or Titles:

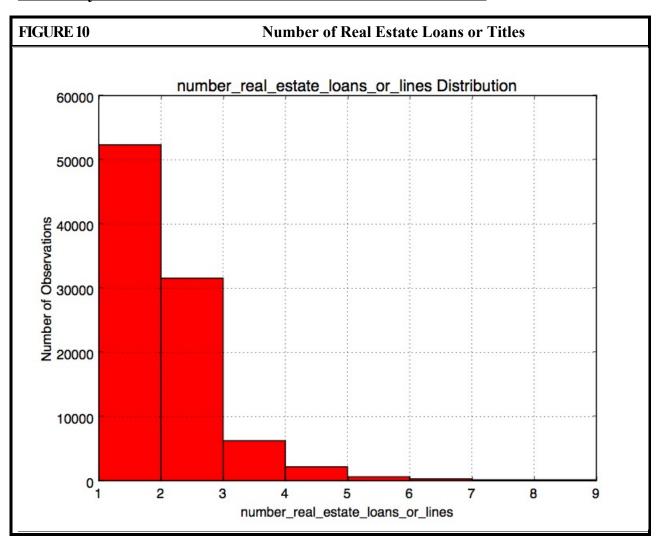


TABLE 10	Number of Real Estate Loans or Titles		
	N =	150,000	
	Missing =	0	
	Mean =	1.02	
	Median =	1.00	
	Standard Deviation =	1.13	
	Min, Max =	(0, 54)	
Source: cs-training	g.csv		

# 1-xi. Summary Data for Number of Dependents:

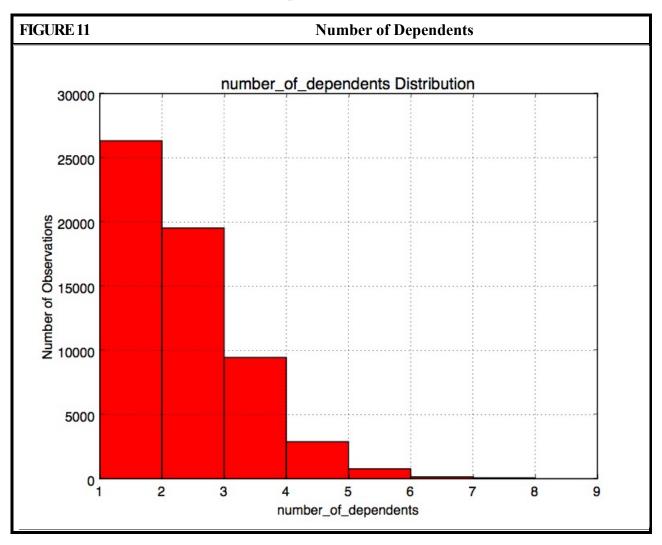


TABLE 11	Number of Dependents		
	N =	146,076	
	Missing =	3,924	
	Mean =	0.76	
	Median =	0.00	
	Standard Deviation =	1.12	
	Min, Max =	(0, 20)	
Source: cs-trainin	ng.csv		

#### **Summary Data for Logistic Prediction Classifier for Serious Delinquency:** 5-i.

TABLE 12 Logistic Regression Classifier Pre	· ·	lof		
Serious Delinquency Last Two Years				
Serious Delinquency Last Two Year	<u>12</u>			
Variable	Odds Ratio	P> z		
Age	0.951***	0.000		
Debt Ratio	0.999*	0.022		
Monthly Income	0.999***	0.000		
Number of Dependent	1.033***	0.000		
Number of Open Credit Lines and Loans	0.979***	0.000		
Number of Times 30-59 Days Past Due Not Worse	1.634***	0.000		
Number of Times 60-89 Days Past Due Not Worse	0.413***	0.000		
Number of Times 90 Days Late	1.523***	0.000		
Number of Real Estate Loans or Lines	1.106***	0.000		
Revolving Utilization of Unsecured Lines	0.999	0.373		
$\mathbf{p} = \mathbf{p}^2$	0 (	069		
Psuedo $R^2 =$				
Log-Likelihood =				
Mean Classifier Accuracy =	93.3	888		
(10-Fold Cross Validation) N =	150,000			
Source:	·	na cev		
Source.	C5 CLAIIII	19.000		
Note: +p<0.1, *p<05, **p<.01, ***p<.001. T-test values. P> Z				
Logistic Model with MLE using 10-Fold Cross Validation for Mean Classifier Accuracy				