data **main amplified**

2016 | the future of business reporting

The Use of Social Media in Traditional Credit Risk Analysis with XBRL

SINGAPORE 8-10 NOVEMBER 2016 **SPEAKER**:

Wei Zhao

Seatig Inc.

Introduction – Seatig Inc.

- Seatig Inc. is a software technology and consulting firm for Wall Street companies
- Financial/accounting application consulting and development for companies in other industries

Introduction – How we are involved with XBRL

- FinTech applications
 - Social media data used in calculation of credit risk and credit scores
- Chinese mega manufacturing enterprises
 - Corporate data aggregation/reporting/exchange

Consumer Credit Scores

- 3 Credit reporting bureaus

 Experian[®], Equifax[®], and TransUnion[®]
- One algorithm company
 - FICO® Scores are developed by Fair Isaac Corporation
 - Little improvement for 30 years

Problems for traditional credit reporting





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	Establishment	Happy Mango		
Inputs	 Delinquencies Inquiries Usage Length of History Bankruptcies 	 Financial Professional Endorsement 		
Collection	Hundreds of Disparate Sources to match with the individual	On-line private and public sources funneled through each individual		
Analytics	Group Level Statistics	Direct & Individualized		
Output	Likelihood to pay	Ability to Pay Reliability to Pay		

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The Architecture



Your happy mango score is being calculated





WHAT IF...

What would my finances look like if I...

Choose a Scenario Get a job						
Retire or quit my job	in	2016 💌	December 💌	that will reduce my annual earning by	20000	□ % 🗹 \$?
Receive a promotion						
Get an education						
Send kids to college						
Start a family						
Start a budget						
Set a savings target						
Get a personal or student loan						
Consolidate Debt						
Buy a car						
Buy a home						

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Cash

Checking Account 1 Checking Account 2 Savings Account 1 Savings Account 2

Liquid Financial Investments

Investment Account 1 Investment Account 2

Illiquid Financial Investments

401K Roth IRA Equity Investment Loans

Non-Financial Assets

Home Auto Misc. Home Assets

Total Assets

Unsecured Loans

Credit Card 1 Credit Card 2 Credit Card 3 Student Loan Medical Loans Other Unsecured Loans

Secured Loans Securities Margin Loan Mortgage Balance Outstanding Car Loan Outstanding Other Secured Loans

Contingent Loans Employer Loan Other Contingent Loans

Total Liabilities

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Home	Ratio Calculation					
Auto						
Financial	Liquid Asset / Monthly Expenditure					
Other	80% Liquid Asset & Financial Assets / Monthly Expendi					
	Liquid Assets / Total Debt					
Total Equity	80% Liquid Asset & Financial Assets / Total Debt					
Individual Cash Flow Statement	Liquid Assets/Unsecured debt					
	Liquid Assets / Net Worth					
Cash Inflow	80% Liquid Assets & Financial Assets / Net Worth					
Salary						
Investment Income	Liquid Assets / Net Worth					
Other Sources of Income	80% Liquid Assets & Financial Assets / Net Worth					
Total Cash Inflow						
Total Cash Innow	 Debt / Net Worth					
Cash Outflow						
Mortgage	Non-Mortgage Debt / Net Worth					
Car Loan						
Student Loan	Monthly Earnings / Fixed Expenditure					
Reoccuring Spending						
Discretionary Spending	Liquid Assets & Financial Investments / Earnings					
	Debt / Earnings					
Total Cash Outflow	Saving Rate / Earnings					
Net Cash	SINGAPORE 8-10 NOVEMBER 2016					