

# ReadyMade

## Automatic Impact Assessment Tool

### ReadyMade Analysis Report

Analysis on: 2014-06-11

#### Introduction

The organization Root Capital used ReadyMade in order to conduct an impact analysis for their project Coffee Cooperative. The mission of Root Capital is To help coffee producers make a sustainable living. Root Capital serves its mission by providing Loans to their primary user group - 'Coffee Co-ops'.

#### Key Impact Question

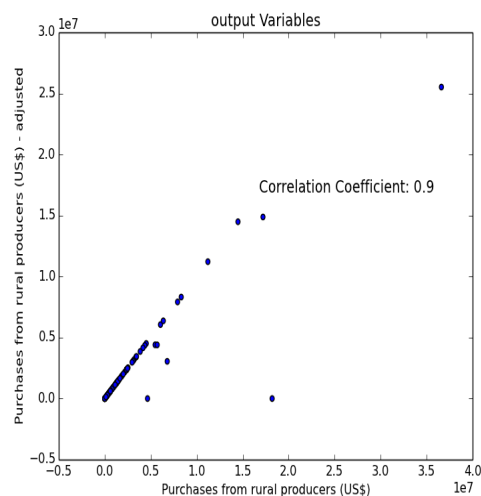
" What is the relationship between Loans and the project's ability to achieve their intended outcomes? "

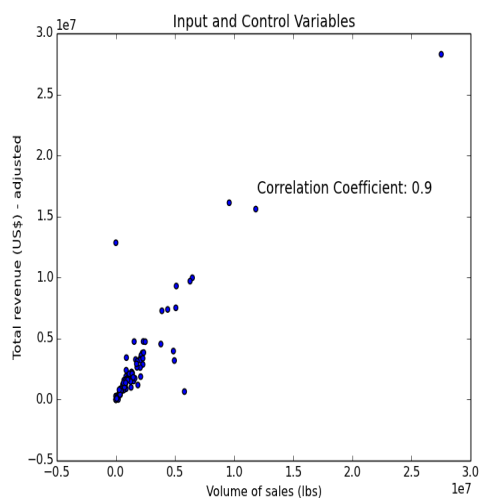
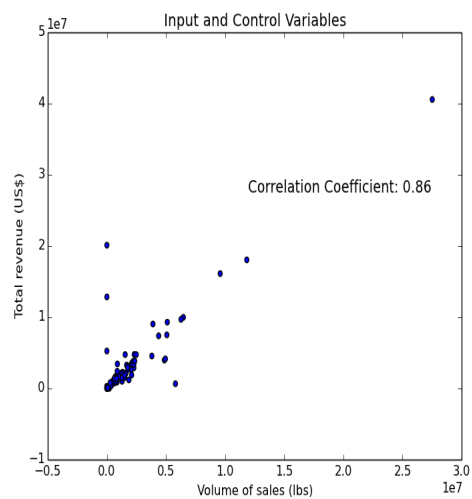
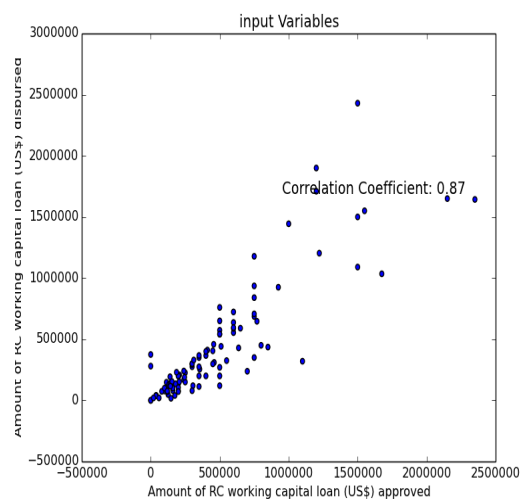
#### Data & Methods

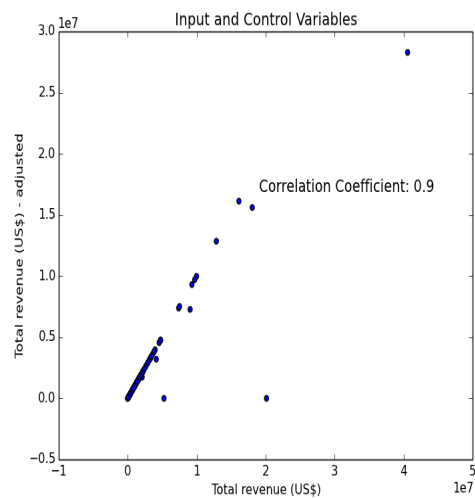
##### *Identifying Key Variables*

In keeping with the ReadyMade tenet to keep the analysis simple, we look for one key outcome variable that is highly correlated with the other available outcome variables

#### Correlations between variables







Therefore, we narrowed our investigation to one key performance variable, Purchases from rural producers (US\$) - adjusted, which provides similar results as using any of the other available outcomes variables (confirmed by our statistical analysis). Similarly, We also decided to use only Amount of RC working capital loan (US\$) disbursed for input variables and Volume of sales (lbs), Number of suppliers (with 5,000 member cap), Total revenue (US\$) - adjusted to control for environmental characteristics.

## Regression Analysis

### *What are we measuring?*

Measuring the impact of "Amount of RC working capital loan (US\$) disbursed" on "Purchases from rural producers (US\$) - adjusted" while controlling for variables such as "Volume of sales (lbs), Number of suppliers (with 5,000 member cap), Total revenue (US\$) - adjusted"

R-Squared: 0.98

F-Stat: 950.74

p-Value: 0.0

Degrees of Freedom: 5

No. of observations: 96

	Coefficient	p-Value	Std Error	t-stat
Amount of RC working capital loan (US\$) disbursed	-0.1489	0.3465	0.16	-0.95
Volume of sales (lbs)	0.1898	0.0013	0.06	3.31
Number of suppliers (with 5,000 member cap)	-52.8845	0.1728	38.48	-1.37
Total revenue (US\$) - adjusted	0.7435	0.0	0.05	14.08

### **Conclusion**

The regression indicates that Root Capital Loans have a positive relationship with Coffee Cooperative inputs: Every 1 unit of Root Capital Loans to Coffee Cooperative is associated with a(n) increase of 0.98 units in Root Capital inputs.