

A Comprehensive Tool to Improve Financial Literacy

Katherine Stewart

with the Delta Alpha chapter of
Beta Alpha Psi



Objective

Improve financial literacy in a comprehensive manner

Paint an overall picture of financial decisions

- Impact on net worth
- How current decisions affect the future

Actions Taken

Developed an Excel prototype

- **Comprehensive Integrated Financial Planning (CIFP)**

Held workshops with college students

- Test prototype
- Understand financial literacy

Administered survey and collected results

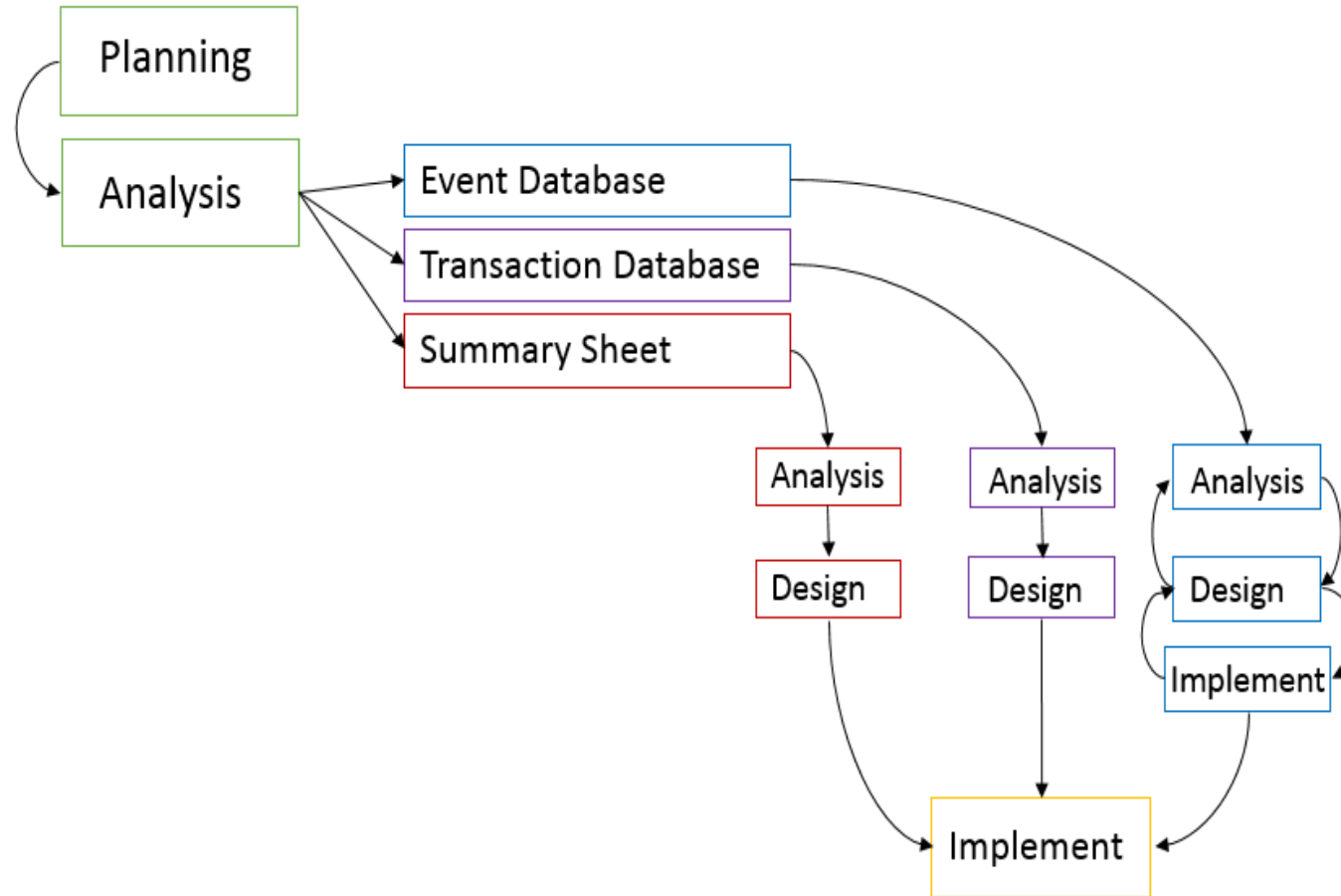
Comprehensive Integrated Financial Planning (CIFP)

Based on other financial tools

- AICPA 360 Degrees of Financial Literacy
- Savings Distribution Calculator
- Enhanced Loan Calculator

Designed prototype to provide more comprehensive view

The Systems Development Process

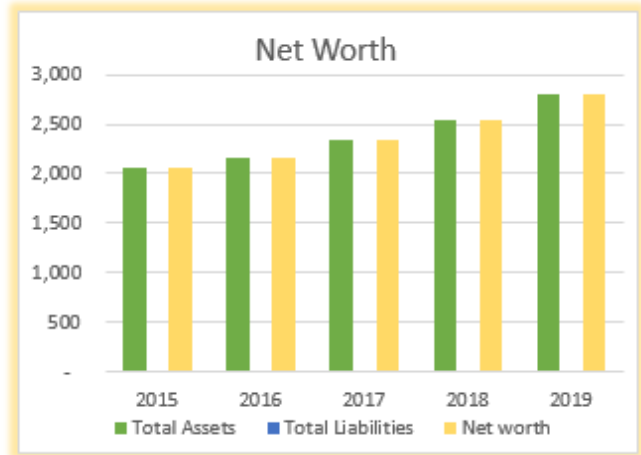


CIFP – Summary Sheet

Goto

New

- credit card purchase
- education
- employment
- living expenses
- loan
- savings plan
- student loan



5 Year - Personal Budget and Financial Analysis

		2015	2016	2017	2018	2019
Assets	Cash	1,500	1,500	1,500	1,500	1,500
	Savings	556	668	833	1,048	1,311
	Vehicles	-	-	-	-	-
	Real estate	-	-	-	-	-
	misc.	-	-	-	-	-
Liabilities	Credit Cards	-	-	-	-	-
	Loans	-	-	-	-	-
Net worth	(beginning)	2,000	2,056	2,168	2,333	2,548
	(change)	56	112	165	215	263
	Net worth	2,056	2,168	2,333	2,548	2,811
Revenue	Salary/Wages	-	-	-	-	-
	Gifts/Scholarship	-	-	-	-	-
	Interest/Dividend	56	112	165	215	263
Expenses	Groceries	-	-	-	-	-
	Housing	-	-	-	-	-
	Transportation	-	-	-	-	-
	Dining out	-	-	-	-	-
	Utilities	-	-	-	-	-
	Clothing	-	-	-	-	-
	Health/Beauty	-	-	-	-	-
	Interest	-	-	-	-	-
	Insurance	-	-	-	-	-
	Depreciation	-	-	-	-	-
	Tuition/Books/Su	-	-	-	-	-
	Taxes	-	-	-	-	-

CIFP – Event Database

(education)

Event Name	UWYO
Start Date	1/1/2015
End Date	12/31/2015
Gifts/Scholarships/Grants	
Scholarships	100.00
Grants	-
Gifts	-
Tuition/Books/Supplies	
Tuition	1,500.00
Books	-
Supplies	-
Miscellaneous	
Travel	50.00
other	

Update

Exclude

Remove

Account	Amount	InterestRate	Frequency	Start Date	End Date
Cash	100.00		One-time	1/1/2015	1/1/2015
Cash	(1,550.00)		One-time	1/1/2015	1/1/2015
Gifts/Scholarships/G	100.00		One-time	1/1/2015	1/1/2015
Tuition/Books/Suppl	1,500.00		One-time	1/1/2015	1/1/2015
Miscellaneous	50.00		One-time	1/1/2015	1/1/2015

CIFP – Event Database

(student loan)

Event Name	Freshmen
Loan Date	1/1/2015
Loan Amount	1,000.00
Fees	200.00
Interest Rate	10%
Length of Loan	60 months
Graduation Date	5/1/2015
Deferment	3 months

Account	Amount	InterestRate	Frequency	Start Date	End Date
Cash	800.00		One-time	1/1/2015	1/1/2015
Loans	1,000.00		One-time	1/1/2015	1/1/2015
Interest	1,000.00	10%	Monthly-I	8/1/2015	8/1/2020
Loans	(1,000.00)	10%	Monthly-P	8/1/2015	8/1/2020
Cash	(1,000.00)	10%	Monthly-I	8/1/2015	8/1/2020
Cash	(1,000.00)	10.00%	Monthly-P	8/1/2015	8/1/2020
Payments	1,000.00	10.00%	Monthly-P	8/1/2015	8/1/2020

CIFP – Transaction Database

Event	Date	Account	Amount	Year	Month
UWYO	1/1/2015	Cash	100	2015	1
UWYO	1/1/2015	Cash	(1,550)	2015	1
UWYO	1/1/2015	Gifts/Scholarships/Grants	100	2015	1
UWYO	1/1/2015	Tuition/Books/Supplies	1,500	2015	1
UWYO	1/1/2015	Miscellaneous	50	2015	1

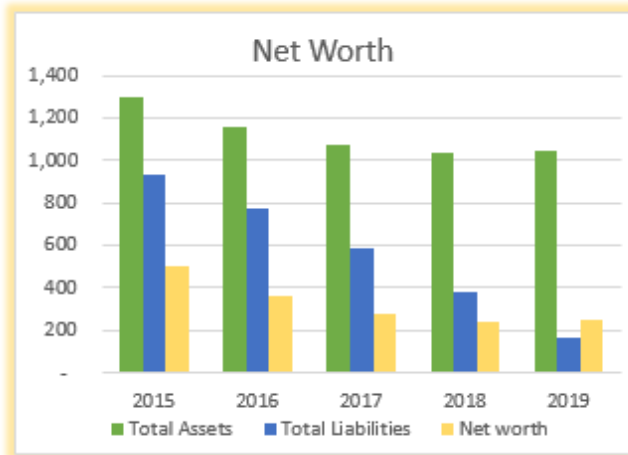
CIFP – Summary Sheet

Version 1.5

Goto

New

- credit card purchase
- education
- employment
- living expenses
- loan
- savings plan
- student loan



5 Year - Personal Budget and Financial Analysis

		2015	2016	2017	2018	2019
Assets	Cash	745	493	242	(10)	(262)
	Savings	556	668	833	1,048	1,311
	Vehicles	-	-	-	-	-
	Real estate	-	-	-	-	-
	misc.	-	-	-	-	-
Liabilities	Credit Cards	-	-	-	-	-
	Loans	936	770	587	385	162
Net worth	(beginning)	2,000	501	361	275	238
	(change)	(1,499)	(140)	(87)	(37)	11
	Net worth	501	361	275	238	249
Revenue	Salary/Wages	-	-	-	-	-
	Gifts/Scholarship	100	-	-	-	-
	Interest/Dividend	56	112	165	215	263
Expenses	Groceries	-	-	-	-	-
	Housing	-	-	-	-	-
	Transportation	-	-	-	-	-
	Dining out	-	-	-	-	-
	Utilities	-	-	-	-	-
	Clothing	-	-	-	-	-
	Health/Beauty	-	-	-	-	-
	Interest	41	86	69	50	28
	Insurance	-	-	-	-	-
	Depreciation	-	-	-	-	-
	Tuition/Books/Su	1,500	-	-	-	-
	Taxes	-	-	-	-	-

Annual



Workshops

Invited students from multiple majors

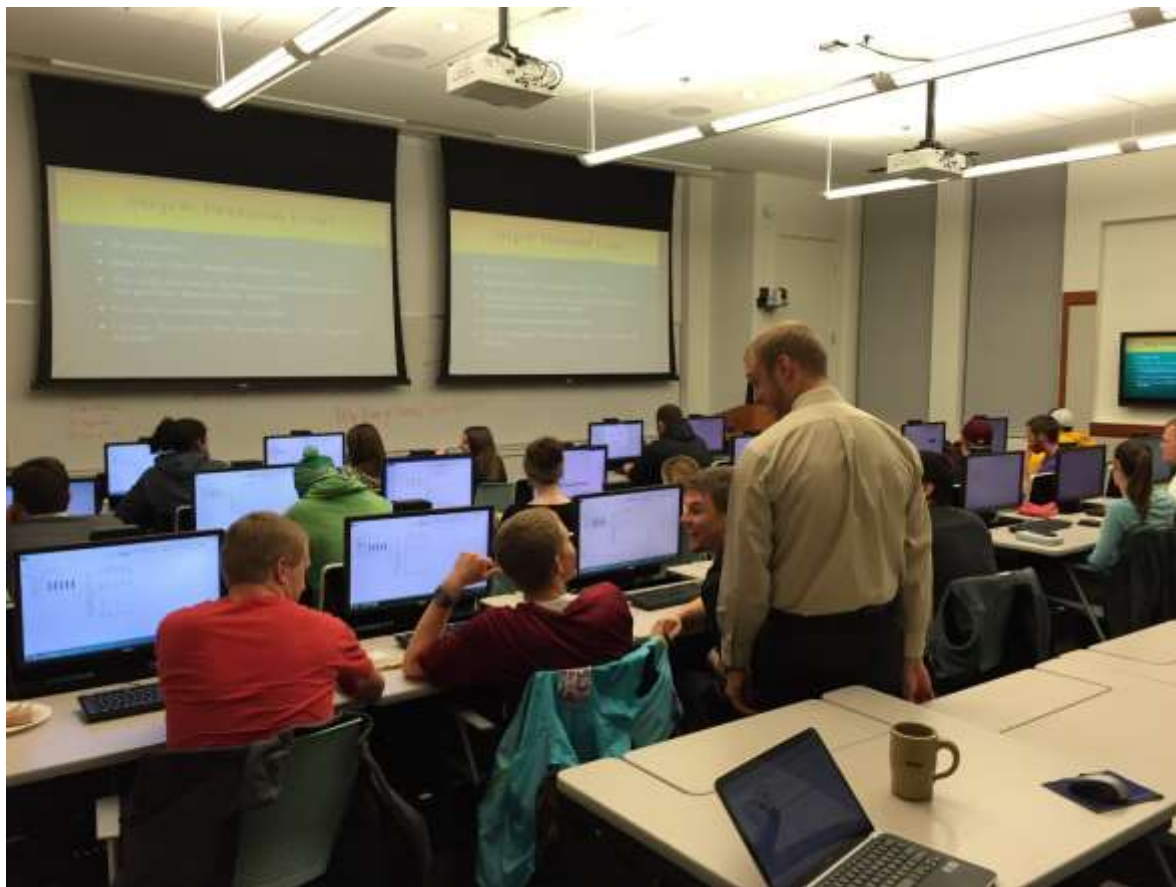
Worked through potential scenarios

Worked on each available event

Assisted students to enter their own events

Asked for participation in survey

Workshops



Survey

BAP Financial Literacy Survey

What year in school are you?

- Freshman
- Sophomore
- Junior
- Senior

What is your major?

Do you currently do any budgeting?

- Yes
- No

If you do budget, what do you use?

- Excel sheet
- Paper
- Online
- App
- Other:

The instructions for using this program were clear

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

The program was easy to navigate and use

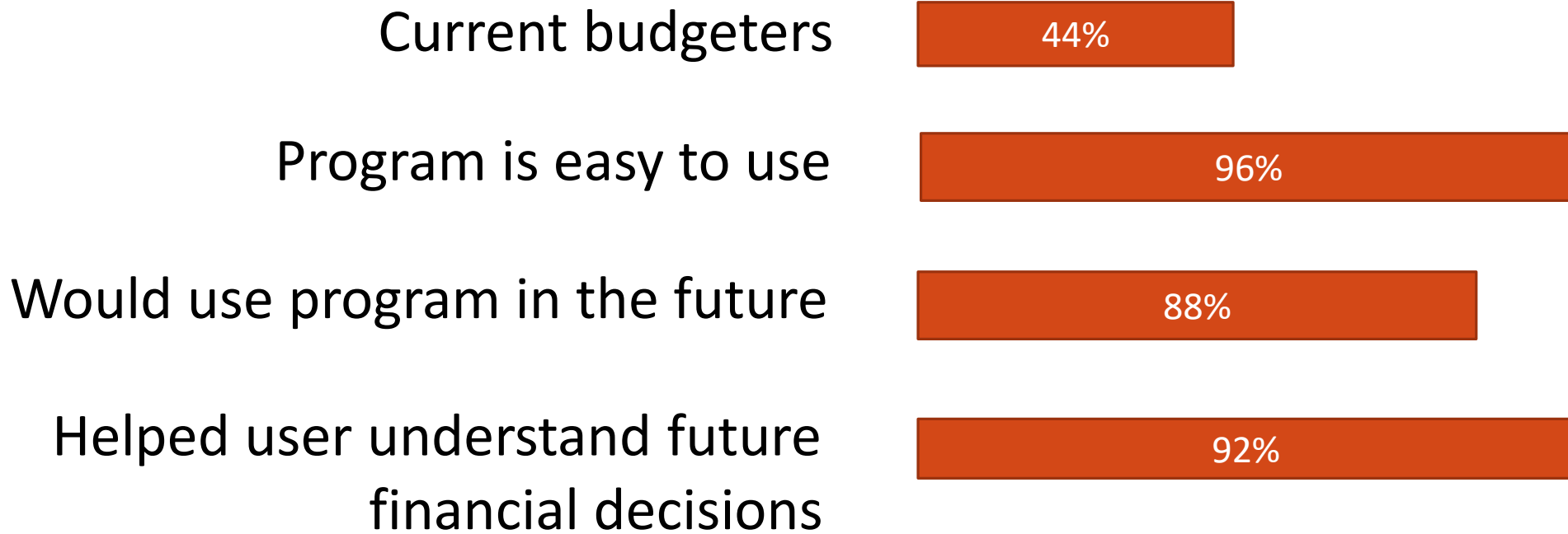
- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

Survey

Questions Asked:

- Do you currently budget?
- If so, what type of budget?
- Were instructions for using this program clear?
- Was the program easy to use and navigate?
- Did the program improve understanding financial decisions?
- Would you use this program in the future?
- List additional comments

Results



Feedback and Improvements

Students are willing to use this tool

- Provides aid in understanding financial decisions
- Ease of use provides likelihood of continued future use

Improvements need to be made

- Add events
- Additional definitions
- Self-guided tutorial

Future Outlook

Beta Alpha Psi Rocky Mountain Best Practices – 1st Place

Endorsement by the Wyoming Society of CPAs

Expand to more students across the nation

Mobile application