

Comparing Selected Expenditures of Dual and Single Income Households with Children

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Outline

1. Motivation
2. Sample Groups
3. Selected Expenditures
4. Preliminary Results



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Dual Income Families as Majority

- CE data show the majority of households in America are dual income
- Shift from single to dual income as the majority in 1980s (Pew Research Center)
- Would like to compare the different groups' spending habits



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Subgroups

Two parent households (2015-2017):

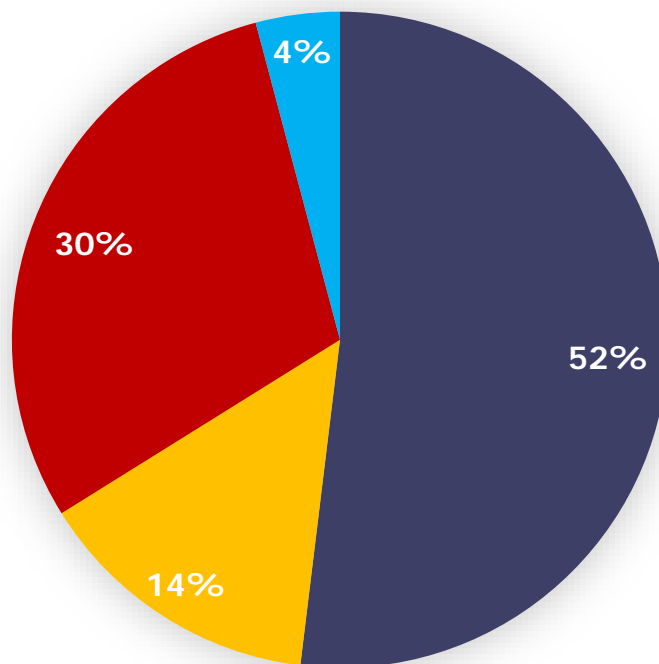
■ Employment type

- ▶ Whether one or both spouses worked full time during the previous year
- ▶ Also if one spouse worked full time and the other part time during the previous year

■ Child age

- ▶ Describes the range in which all children in a household fall
- ▶ Controls for differences in families' expenditures based a children's ages

Percentage by employment type, 2015-2017



■ Both Full Time
■ One Full Time

■ One Full Time, One Part Time
■ Other

Number of Households, Unweighted

	One Full Time	One Full Time, One Part Time	Both Full Time	Other	Total
Oldest child < 6	771	274	1,047	73	2,165
All children age 6-11	340	201	665	30	1,236
All children age 12-17	435	258	914	110	1,717
Total	1,546	733	2,626	213	5,118

Number of Households, Weighted (in millions)

	One Full Time	One Full Time, One Part Time	Both Full Time	Other	Total
Oldest child < 6	15.9	5.8	21.8	1.5	45.0
All children age 6-11	6.6	4.1	13.9	0.6	25.2
All children age 12-17	8.9	5.2	19.2	2.3	35.6
Total	31.4	15.0	54.9	4.4	105.7

Percentage by employment type and child age

	One Full Time	One Full Time, One Part Time	Both Full Time	Other
Oldest child < 6	35.3%	12.8%	48.4%	3.4%
All children age 6-11	26.4%	16.2%	55.1%	2.3%
All children age 12-17	25.0%	14.5%	54.1%	6.4%

Mean number of children by employment type and child age

	One Full Time	One Full Time, One Part Time	Both Full Time
Oldest child < 6	1.59	1.55	1.39
All children age 6-11	1.67	1.64	1.49
All children age 12-17	1.47	1.48	1.44

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Analyzed Expenditures

Diary:

- ▶ Food At Home (groceries)
- ▶ Food Away From Home (dining out)

Interview:

- ▶ Transportation
- ▶ Education
- ▶ Childcare

Food

- Hypothesis: Dual income families spend more on food away from home on average than single income families
 - ▶ Trade off between time and money
 - ▶ American Time Use Survey (ATUS)
 - ▶ Perhaps smaller budget share goes to food away from home compared to single income families

Transportation

- Hypothesis: Dual Income families spend more on transportation on average because of commuting
 - ▶ Gas
 - ▶ Public Transportation Fares
- Perhaps offset by single income families running errands

Education

- Hypothesis: Dual Income families spend more on private school education
 - ▶ Private tuition for elementary and high school



Childcare

- Question: How do childcare expenses compare to a potentially higher income?
 - ▶ Compare total income
 - ▶ Use outlays for a proxy for permanent income



Outline

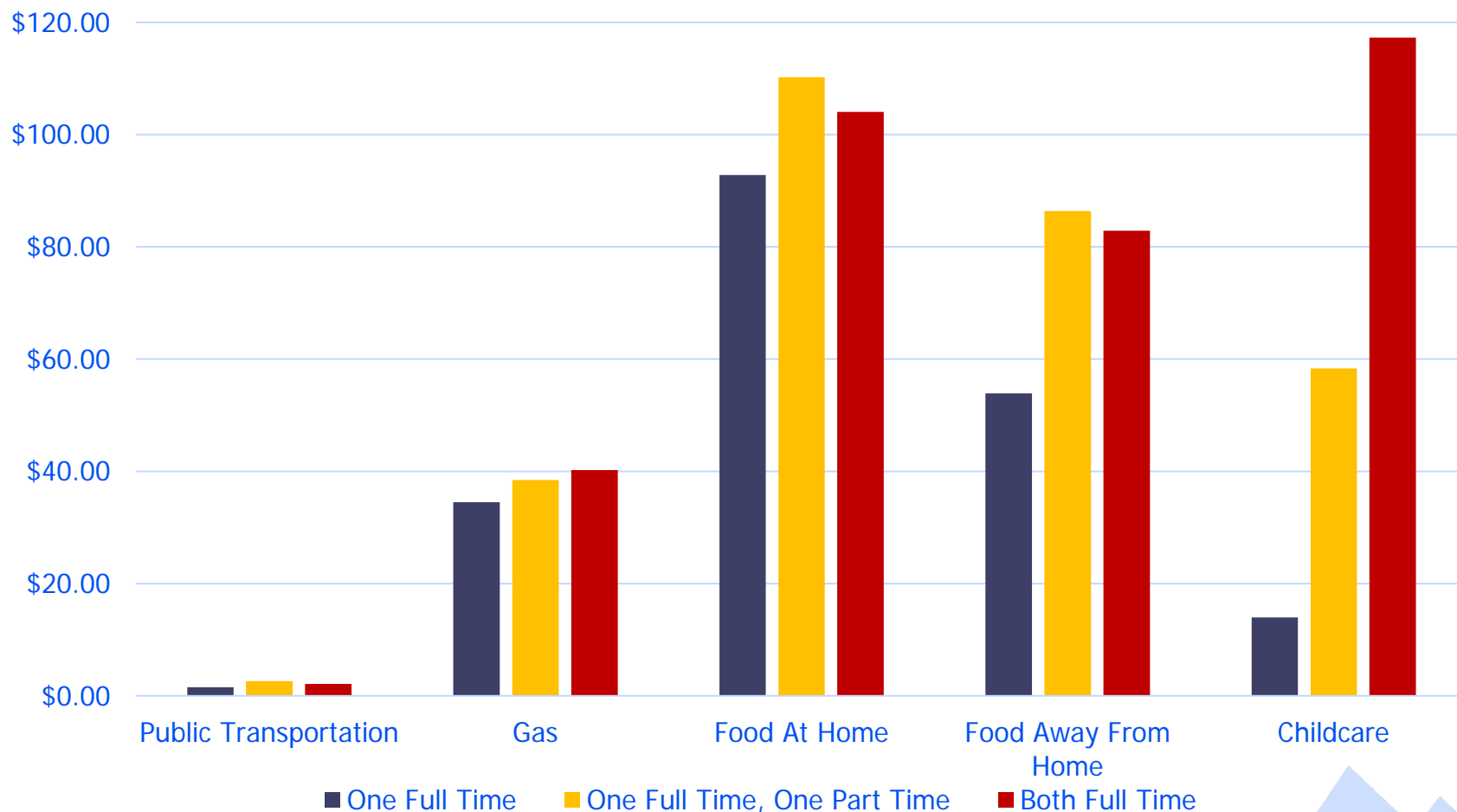
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Mean Weekly Expenditures of Families with All Children Younger than 6

	One Full Time	One Full Time, One Part Time	Both Full Time
Public Transportation	\$1.52	\$2.64	\$2.12
Gas	\$34.52	\$38.47	\$40.22
Food At Home	\$92.78	\$110.20	\$104.04
Food Away From Home	\$53.89	\$86.36	\$82.89
Childcare	\$13.96	\$58.35	\$117.28

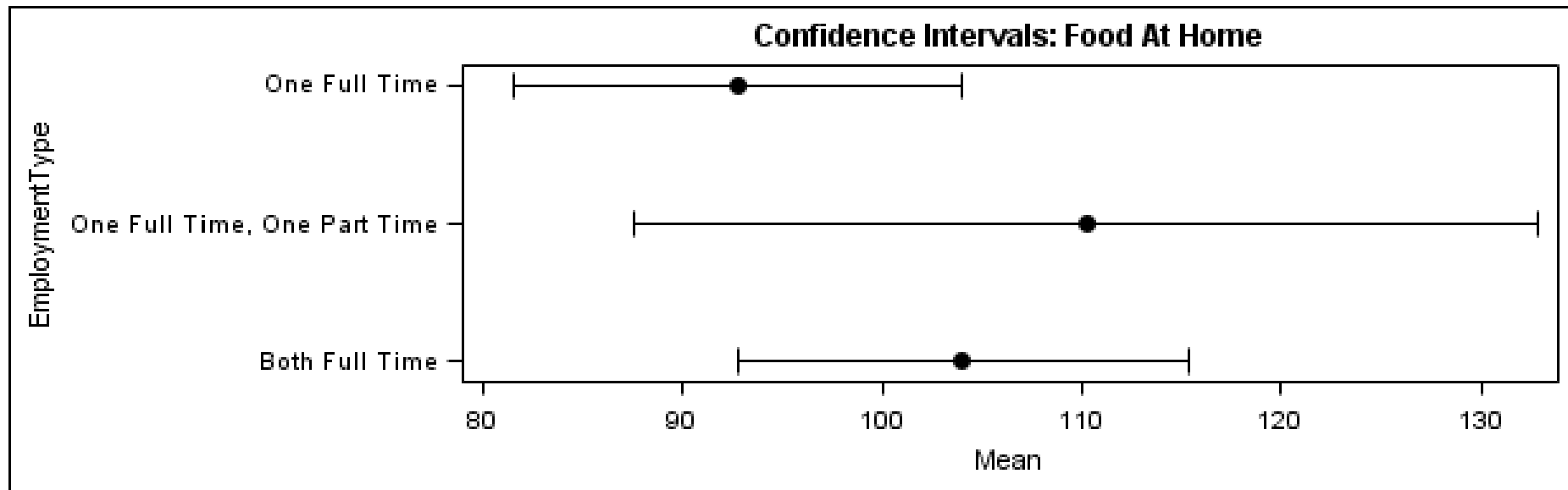
Graph of Selected Mean Weekly Expenditures



Differences in Food at Home and the Statistical Significance

		Mean Difference	Std Error	t Value	Pr > t
Both Full Time	One Full Time, One Part Time	-6.15	13.85	-0.44	0.659
Both Full Time	One Full Time	11.27	7.75	1.45	0.153
One Full Time, One Part Time	One Full Time	17.42	12.37	1.41	0.166

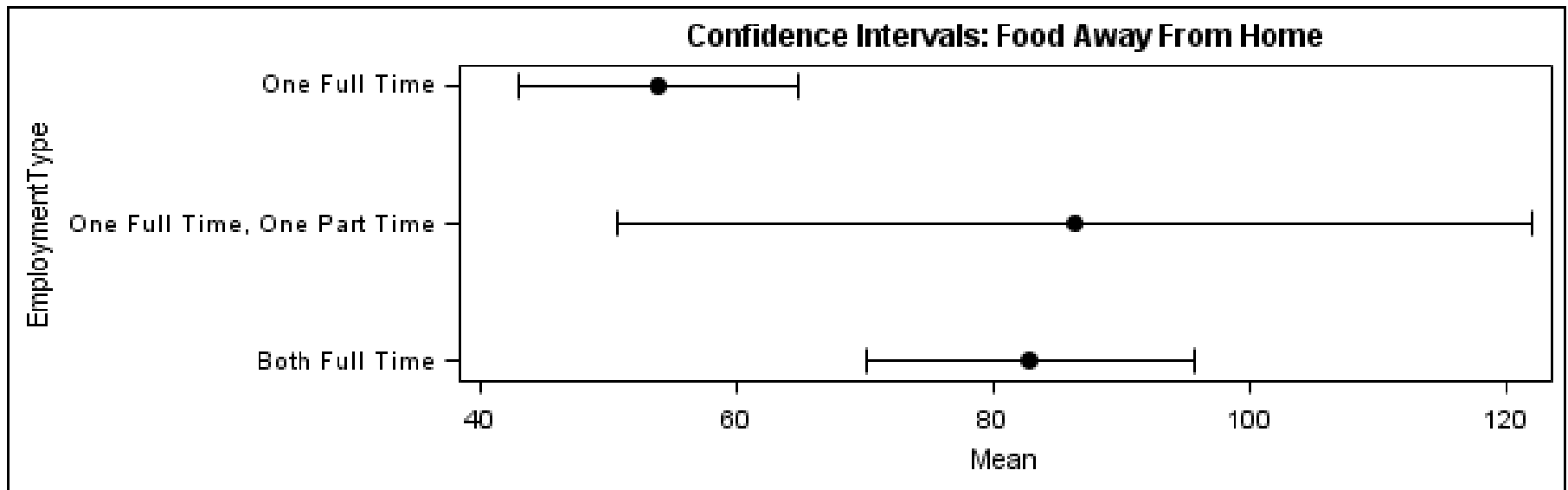
Confidence Intervals: Food At Home



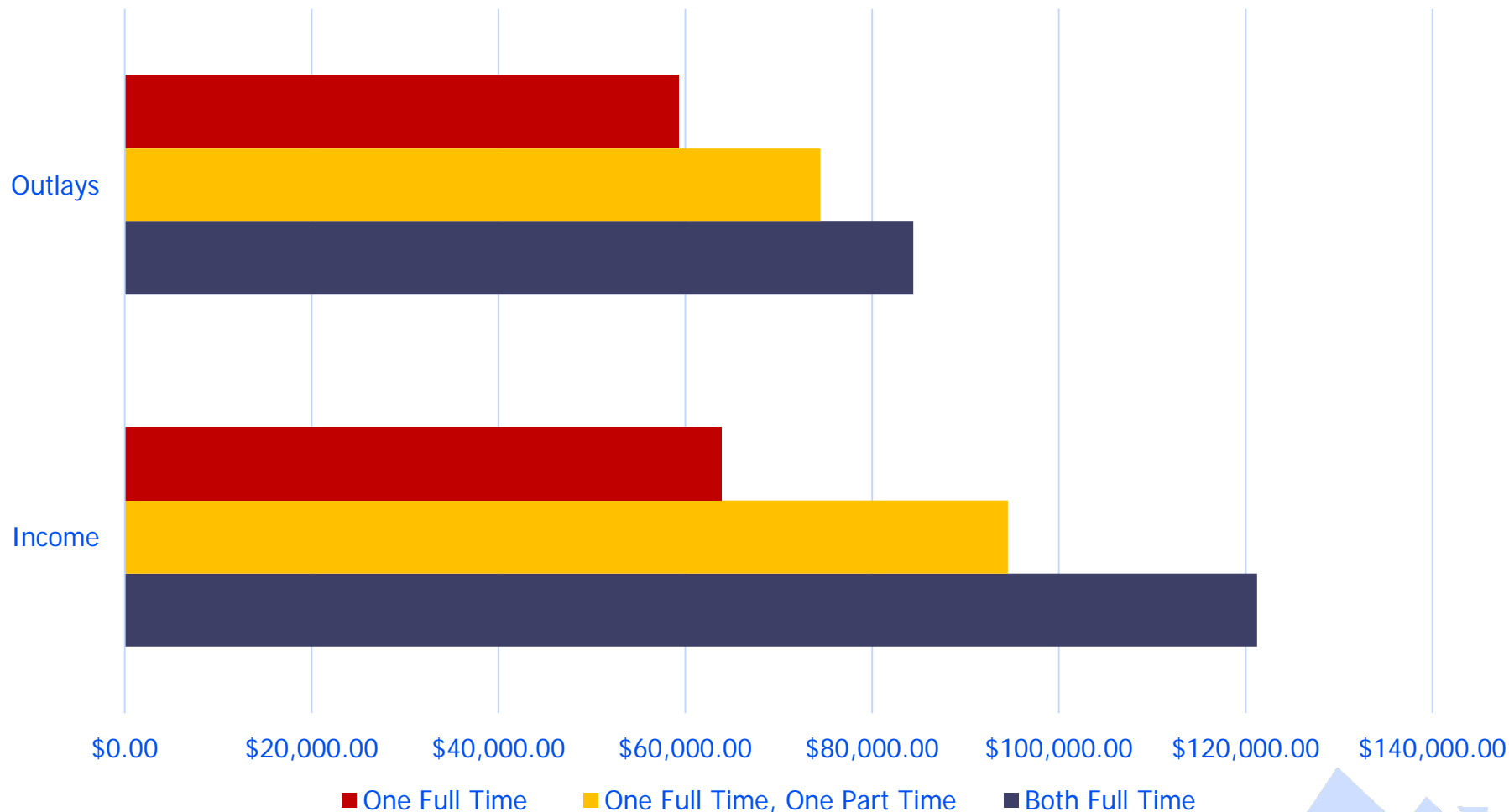
Differences in Food Away From Home and the Statistical Significance

		Mean Difference	Std Error	t Value	Pr > t
Both Full Time	One Full Time, One Part Time	-3.47	19.22	-0.18	0.858
Both Full Time	One Full Time	29.01	9.03	3.21	0.003
One Full Time, One Part Time	One Full Time	32.48	18.70	1.74	0.090

Confidence Intervals: Food Away From Home



Mean Outlays and Income of Families with Children all younger than 6



Summary of Preliminary Results: Expenditures that are statistically significantly different

	One Full Time	One Full Time, One Part Time	Both Full Time
Gas	\$34.52	\$38.47	\$40.22
Food Away From Home	\$53.89	\$86.36	\$82.89
Childcare	\$13.96	\$58.35	\$117.28

Questions



Contact Information

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