

The Association Between Self-Reported Life Satisfaction and Number of Financial Shocks



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Introduction

- Studies indicate that financial shocks have a correlation to life satisfaction.
- Income shocks have been shown to correlate to high decrease in satisfaction, while expense shocks correlate with a mild decrease (Bufe et al., 2021).
- One study found that positive surprises (increases in wealth) were associated with decreased subjective wellbeing, and "vice-versa for negative surprises" (Ekic & Koydemir, 2016).

Univariate

- 79% of respondents had experienced 0 shocks in the past 12 months.
- 76.5% of respondents ranked their life satisfaction with a 5 or higher. **Bivariate**
- A Pearson correlation test showed that **self-reported life satisfaction** was significantly and negatively associated with **number of accumulated shocks**
- Various studies have found that factors such as financial resources, as well as gender provide correlation to reported satisfaction (Charles et al., 2019).
- It is unclear whether there is difference in satisfaction among specific events of shock, beyond the dichotomous categories of wealth vs. income shocks.

Research Questions

- Do events such as a divorce, the death of a primary breadwinner, a health emergency, or the loss of a job, have different outcomes with regards to self-reported life satisfaction?
- Is the number of shocks a given person goes through associated with their self-reported life satisfaction?

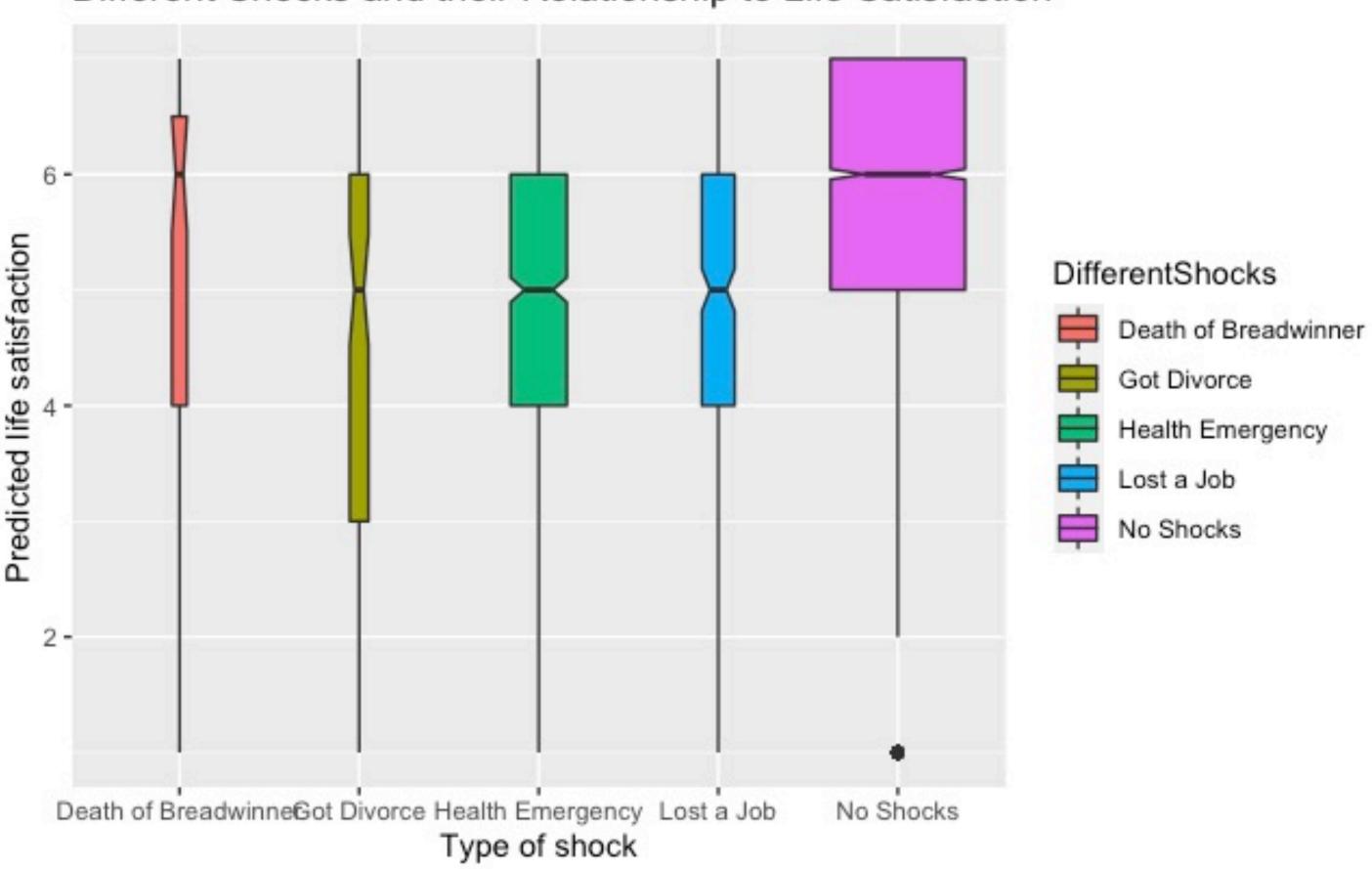
Methods

(r=-0.15, p<2.2e-16).

ANOVA analysis showed that there is a significant association between **type of shock** and **self-reported life satisfaction** (F=41.7, p<2e-16).

Results

Different Shocks and their Relationship to Life Satisfaction



• Yet a Post-Hoc analysis demonstrated that between certain shocks, there is not a significant association with life satisfaction. Examples include "death of breadwinner" with "health emergency" (p=.99), "death of breadwinner" with "no shocks" (p=.03), and "lost a job" with "got a divorce" (p=.85). The lack of association between these shocks indicates a unreliability with claiming a strong association between type of shock and life

Sample

- National Financial Well-Being Survey
- The data set includes data collected from the National Financial Well-Being survey, aimed to help researchers understand what contributes to an individual's financial well-being. The survey was conducted via web mode between October 27, 2016 and December 5, 2016. The data includes information about one's income, employment, financial behaviors and attitudes.
- The samples include "General population", "Age 62+ oversample", and "Race/ethnicity and poverty oversample."
- Includes 6394 participants.

Measures

- Life satisfaction: ranking of the statement "I am satisfied with my life". Life satisfaction was measured on an ordinal scale from 1 (not at all satisfied) to 7 (extremely satisfied).
- **Shocks**: Participants were asked yes or no, if in the past 12 months they or the members of their household experience any of the following: death of a breadwinner,

Multivariate

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 When including levels of distress as a potential confounding variable, the association between self-reported life satisfaction and number of accumulated shocks remains unchanged (r=-0.15, p<2.2e-16).

Lots of stress in respondent's life

Neither agree nor disagree

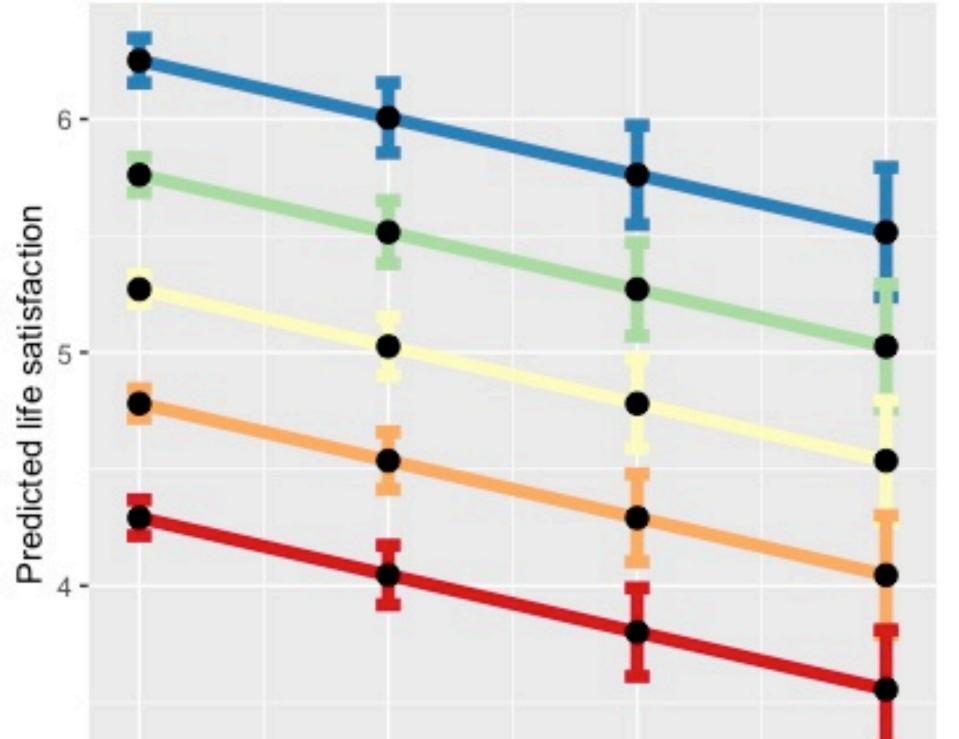
Strongly disagree

Disagree

Agree

Strongly agree

Regression Plot for Association between Shocks and Life Satisfaction Controlled for Levels of Stress



 After controlling for levels of distress and accumulated shocks, predicted life satisfaction is negatively and significantly associated with both higher levels of distress (P < 2e-16) and accumulated number of

shocks (r=-0.15, p<2.2e-16).

satisfaction.

got a divorce, health emergency, or lost a job.

• Number of shocks ranged from 0 (no shocks reported) to 4 (all above shocks reported).

References

Bufe, S., et al. "Financial Shocks and Financial Well-Being: What Builds Resiliency in Lower-Income Households?" Social Indicators Research.

Charles, A., et al. (2019). "Economic Shocks on Subjective Well-Being: Re-assessing the Determinants of Life-Satisfaction After the 2008 Financial Crisis." Journal of Happiness Studies 20(4): 1041-1055.

D'Ambrosio, C., et al. (2020). "Money and Happiness: Income, Wealth and Subjective Well-Being." Social Indicators Research 148(1): 47-66.

Ekici, T. and S. Koydemir (2016). "Income Expectations and Happiness: Evidence from British Panel Data." Applied Research in Quality of Life 11(2): 539-552.

Johnson, W. and R. F. Krueger (2006). "How money buys happiness: Genetic and environmental processes linking finances and life satisfaction." Journal of Personality and Social Psychology 90(4): 680-691.

Accumulated number of shocks

Discussion

- There is a strong negative association between number of shocks a person has undergone in the past 12 months and the level at which they rank their life satisfaction.
- As per the specific kind of shock in the prediction of life satisfaction, the association is less strong within certain comparisons, such as death of breadwinner with health emergency, and losing a job with getting a divorce. These pairings aren't easily divisible into income vs. income shock.
- Further research is required to see what warrants resiliency to financial shocks, in the outlier cases of high life satisfaction and high levels of shocks.