

Method Draft

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Measures

Quality Marriage Index (QMI)

The QMI assesses the behavior and attitude of couples in a romantic relationship and provides insight to couples' satisfaction towards their relationships (Norton, 1983). Four of the questions on the scale were used in this study. Example items include, "Today, we have a good relationship," and "Today, my relationship with my partner makes me happy," measured on a 1 (not true about me), to 4 (mostly true about me) scale. The scale was reliable, with the overall cronbach's $\alpha = 0.96$. Cronbach's α on each day ranges from xx to xx. The intraclass correlation (ICC) for the QMI was large, $ICC = 0.66$. ICC on each day spans from xx to xx.

Gender Role Belief Scale (GRBS)

The GRBS measures one's gender ideology, which is his or her beliefs for what men and women's role in the society should be, and his or her attitude towards men and women (Kerr & Holden, 1996). All twenty questions on the scale were included in this study. Example items include, "It is disrespectful for a man to swear in the presence of a lady," and "Women should have as much sexual freedom as man," measured on a 1 (strongly disagree), to 5 (strongly agree) scale. The scale was reliable, with the cronbach's $\alpha = 0.89$. The intraclass correlation (ICC) for this scale was large, $ICC = 0.63$.

Participants

In sum, 364 people from 182 pairs of couples filled out the pre-measure survey. Then, 263 people from 155 dyads participated in the daily diary survey, producing 3482 responses in total. Responses with entry error (wrong day of the week, extra or redundant data,

survey finished in different weeks within the dyads) were removed, leaving 2745 valid responses from 211 individuals in 127 dyads. The actor-partner independence model is unable to operate in situations where on a particular day, only one person from the couple fills out the diary. Therefore, xx people of xx dyads were further excluded. The final dataset consisted of xx people from xx dyads, with xx same-sex couples and xx heterosexual couples.

Table 1 shows the sample demographics in terms of participants' gender, telework status, age, relationship length, race, number of children (less than 13 years old) at home, and income level (**Note: Table 1 shows data from pre-measure dataset without any exclusion. We will update this part after the dataset is fully cleaned.**)

There were 185 female and 179 male in this sample. Participants' age varied from 26 to 74 years, with an average of 45.80 ($SD = 8.35$). Their relationship length was approximately 18.45 years on average ($SD = 10.19$). Due to the pandemic, more than 60% of the respondents teleworked. The sample consisted of 269 White or European Americans, 24 Black or African Americans, 37 Asian or Asian Americans, 21 Latinx or Hispanic, 4 Middle Eastern, 4 identified as both White or European American and Latinx or Hispanic, 1 identified as other race or ethnicity, and 4 preferred not to answer. On average, the participants had 0.8 children raised in the household ($SD = 1.35$). The average income level of the sample was 76618.8 dollars ($SD = 105,704.1$).

This assignment has used R (Version 4.0.3; R Core Team, 2020) and the R-packages *dplyr* (Version 1.0.2; Wickham et al., 2020), *forcats* (Version 0.5.0; Wickham, 2020a), *ggformula* (Version 0.10.1; Kaplan & Pruim, 2021), *ggplot2* (Version 3.3.2; Wickham, 2016), *ggribes* (Version 0.5.2; Wilke, 2020), *ggstance* (Version 0.3.5; Henry et al., 2020), *here* (Version 1.0.1; Müller, 2020), *lattice* (Version 0.20.41; Sarkar, 2008), *Matrix* (Version 1.2.18; Bates & Maechler, 2019), *mosaic* (Version 1.8.3; Pruim, Kaplan, & Horton, 2017, 2021),

mosaicData (Version 0.20.2; Pruim et al., 2021), *papaja* (Version 0.1.0.9997; Aust & Barth, 2020), *psychTools* (Version 2.1.3; Revelle, 2020), *purrr* (Version 0.3.4; Henry & Wickham, 2020), *readr* (Version 1.4.0; Wickham & Hester, 2020), *RJ-2017-037* (Barrett & Brignone, 2017, 2017, 2017, 2017, 2017), *stargazer* (Version 5.2.2; Hlavac, 2018), *stringr* (Version 1.4.0; Wickham, 2019), *tibble* (Version 3.0.4; Müller & Wickham, 2020), *tidyr* (Version 1.1.2; Wickham, 2020b), and *tidyverse* (Version 1.3.0; Wickham, Averick, et al., 2019).

Updated table

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Table 1

	Total n = 364
gender	
male	179 (49.2%)
female	185 (50.8%)
<i>missing</i>	0 (0%)
age	45.8 (8.4)
telework	
no	129 (35.4%)
yes	235 (64.6%)
<i>missing</i>	0 (0%)
relationship_length	18.4 (10.2)
race	
Asian or Asian American	37 (10.2%)
Black or African American	24 (6.6%)
Latinx or Hispanic	21 (5.8%)
Middle Eastern	4 (1.1%)
Other	1 (0.3%)
Prefer not to answer	4 (1.1%)
White or European American	269 (73.9%)
White or European American, Latinx or Hispanic	4 (1.1%)
<i>missing</i>	0 (0%)
number_of_children	0.8 (1.3)
income	76,618.8 (105,704.1)

Table 2

	Total Mean/Count (SD/%) n = 162
Gender	
Men	81 (50%)
Women	81 (50%)
<i>missing</i>	0 (0%)
Age	45.6 (8.1)
Telework	
No	60 (37%)
Yes	102 (63%)
<i>missing</i>	0 (0%)
Relationship length	18.2 (9.9)
Number of children	0.8 (0.9)
Income	67,857.4 (70,655.2)
Gender role belief score	2.7 (0.7)