# Sample

We collected our data through an online survey using Google Forms. We e-mailed undergraduate, graduate and professional students of a large, private, not-for-profit university in the city of São Paulo, Brazil. The survey has 55 items and we provided no incentives and disclosed that it would help the university’s research group to understand media consumption and behavior during the challenging times of COVID-19. We also supplied the estimated time that it would take to respond the full survey (around 10 minutes). According to both the university’s and Brazilian ethical guidelines, since we are no intrusive questions, nor incentives to fill out the survey and respondents were invited to participate with the option to decline or drop out of the questionnaire at any time, it was not necessary IRB approval.

From the 55 survey’s items we used only 34 items to measure all of our variables:

* demographic variables: age (categorical 5-points) and gender;
* self-efficacy: 5 items using 5-point Likert scale to measure self-efficacy (gustavo we need say something about what items we used, I do not know the scale);
* fear: 2 items (gustavo we need say something about what items we used, I do not know the scale);
* total media exposure: 1 item using a 4-point intensity scale regarding daily media consumption about COVID-19;
* media type: 4 types of media (newspaper, television, social media and medical professionals) using a 5-item intensity scale regarding the frequency of media usage regarding media consumption about COVID-19; and
* protective behaviors: 20 items using 5-point Likert scale to measure the adoption of protective behaviors during COVID-19 (gustavo we need say something about what items we used, I do not know the scale).

Our sample is comprised of 7,554 respondents and the summary statistics are detailed in table X\_summarystats. The first column depicts the variable name with columns for central tendencies (mean and median) and dispersion measures (standard deviation, 1st quartile Q1 and 3rd quartile Q3) along with the minimum and maximal values. The age variable was discretized in 5 categories with respect to the age in years: (1) below 17; (2) between 18 and 30 (3) between 31 and 50; (4) between 51 and 70; and (5) over 70. In our sample, 28 percent were men and 72 percent were women. In terms of age distribution, 65 percent were between 18 and 30 years old, and 30 percent were between 31 and 50 years old. Thus, at least 95 percent of our sample was not in the over-60 category, which is the group with the greatest risk of contracting COVID-19. Regarding media type consumption, our sample prefers to consume television, followed by social media and medical professionals. Newspaper is the least preferable media type that the sample consumes.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | Mean | Standard Deviation | Minimum | Q1 | Median | Q3 | Maximum |
| Age | 2.36 | 0.58 | 1 | 2 | 2 | 3 | 5 |
| Sex Male | 0.25 | 0.45 | 0 | 0 | 0 | 1 | 1 |
| Self-Efficacy | 0.41 | 0.65 | -2 | 0 | 0.4 | 0.8 | 2 |
| Fear | 2 | 0.88 | 0 | 1.5 | 2 | 2 | 3 |
| Total Media Exposure | 1.58 | 0.78 | 1 | 1 | 1 | 2 | 4 |
| Media Type – Television | 2.7 | 1.3 | 0 | 2 | 3 | 4 | 4 |
| Media Type – Newspaper | 1.85 | 1.56 | 0 | 0 | 2 | 3 | 4 |
| Media Type – Social Media | 2.2 | 1.46 | 0 | 1 | 2 | 3 | 4 |
| Media Type – Medical Professionals | 2.1 | 1.45 | 0 | 1 | 2 | 3 | 4 |
| Protective Behaviors | 2.8 | 0.55 | 0 | 2.57 | 2.91 | 3.19 | 3.81 |

Table X\_summarystats – Sample Summary Statistics

# Variables

We present our variables and whenever possible the α between parenthesis is the Cronbach’s alpha for reliability measures for all items of the referred variable.

Our dependent variable is the adoption of protective measures. We asked respondents to indicate on a 5-point Likert scale from 0 to 4 how frequently they engage in 2- behaviors. Examples of the items are “wash your hands with soap and water,” “avoid touching your mouth and nose with your hands,” “cough in your elbow,” “maintain at least a meter of distance from other people,” “avoid visiting friends and family members not living with you” and “put on a face mask when going outside” (α = .89).

Our independent variable is media exposure.

Our mediator variable is fear (α = 0.77)

We controlled for self-efficacy (α = 0.51)

We introduced two socio-demographic variables as control variables. Age, despite being ordinal, was measured as a continuous variable. Gender was measured as a dummy variable with women coded 1 and men coded 0.

# **References**

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