Descriptive analysis

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In the current study…

We calculated descriptive point estimates (i.e., means and frequencies) and interval estimates (i.e., 95% confidence intervals) for each of the relationships listed above. Statistical analyses were conducted using R version 4.1.0 (R Core Team, 2021) in RStudio version 1.4.1717 (RStudio Team, 2021) with the following packages: tidyverse (Wickham et al., 2019), freqtables (Cannell, 2020), meantables (Cannell, 2020).

**Table 1**. Characteristics of participants who do and do not have the outcome of interest (n = 100). Results from a fake study.

| **Characteristic** | **No (n=51)** | **Yes (n=49)** |
| --- | --- | --- |
| Exposure, row percent (95% CI) |  |  |
| No | 76.47 (62.65 - 86.30) | 91.84 (79.81 - 96.97) |
| Yes | 23.53 (13.70 - 37.35) | 8.16 (3.03 - 20.19) |
|  |  |  |
| Age, mean (95% CI)1 | 34.9 (30.62 - 39.18) | 35.35 (30.13 - 40.56) |
|  |  |  |
| Age group, row percent (95% CI) |  |  |
| Younger than 30 | 56.86 (42.79 - 69.91) | 63.27 (48.74 - 75.73) |
| 30 and Older | 43.14 (30.09 - 57.21) | 36.73 (24.27 - 51.26) |
|  |  |  |
| Gender, row percent (95% CI) |  |  |
| Female | 58.82 (44.68 - 71.64) | 55.10 (40.83 - 68.58) |
| Male | 41.18 (28.36 - 55.32) | 44.90 (31.42 - 59.17) |
|  |  |  |
| Height, mean (95% CI)2 | 66.88 (65.56 - 68.2) | 66.5 (65.29 - 67.71) |
|  |  |  |
| Weight, mean (95% CI)3 | 165.44 (151.92 - 178.96) | 155.21 (140.71 - 169.71) |
|  |  |  |
| BMI, mean (95% CI) | 26.03 (23.76 - 28.31) | 24.38 (22.5 - 26.27) |
|  |  |  |
| BMI category, row percent (95% CI) |  |  |
| Underweight | 6.25 (1.98 - 18.07) | 12.50 (5.62 - 25.53) |
| Normal | 45.83 (32.12 - 60.21) | 52.08 (37.84 - 65.99) |
| Overweight | 22.92 (12.99 - 37.19) | 25.00 (14.59 - 39.42) |
| Obese | 25.00 (14.59 - 39.42) | 10.42 (4.31 - 23.08) |
| 1Age in years. | | |
| 2Height in inches. | | |
| 3Weight in pounds. | | |

**References**:

R Core Team (2021). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. <https://www.R-project.org/>.

RStudio Team (2021). RStudio: Integrated Development Environment for R. RStudio, PBC, Boston, MA. <http://www.rstudio.com/>.

Brad Cannell (2020). freqtables: Make Quick Descriptive Tables for Categorical Variables. R package version 0.1.0. <https://CRAN.R-project.org/package=freqtables>.

Brad Cannell (2020). meantables: Make Quick Descriptive Tables for Continuous Variables. R package version 0.1.0. <https://CRAN.R-project.org/package=meantables>.