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 | 74.51 (60.56 - 84.77) | 95.92 (84.68 - 99.01) |
| Yes | 25.49 (15.23 - 39.44) | 4.08 (0.99 - 15.32) |
|  |  |  |
| Age, mean (95% CI)1 | 35.53 (30.88 - 40.17) | 34.69 (29.83 - 39.56) |
|  |  |  |
| Age group, row percent (95% CI) |  |  |
| Younger than 30 | 58.82 (44.68 - 71.64) | 61.22 (46.73 - 73.97) |
| 30 and Older | 41.18 (28.36 - 55.32) | 38.78 (26.03 - 53.27) |
|  |  |  |
| Height, mean (95% CI) | 66.56 (65.31 - 67.81) | 66.83 (65.5 - 68.15) |
|  |  |  |
| Weight, mean (95% CI) | 164.04 (150.2 - 177.88) | 156.67 (142.43 - 170.91) |
|  |  |  |
| BMI, mean (95% CI)2 | 26.04 (23.97 - 28.11) | 24.38 (22.23 - 26.54) |
|  |  |  |
| BMI category, row percent (95% CI)3 |  |  |
| Underweight | 6.12 (1.94 - 17.73) | 13.04 (5.86 - 26.54) |
| Normal | 42.86 (29.59 - 57.23) | 54.35 (39.65 - 68.32) |
| Overweight | 24.49 (14.28 - 38.71) | 23.91 (13.57 - 38.61) |
| Obese | 26.53 (15.87 - 40.87) | 8.70 (3.22 - 21.40) |
| 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>.