| | Running head: SEMESTER PROJECT 1 |
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| 1 | Reproducible analysis of Schroeder & Epley, 2015: Do you come across as smarter when |
| 2 | people read what you say or hear what you say |
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Abstract 10

One or two sentences providing a basic introduction to the field, comprehensible to a 11

scientist in any discipline. 12

Two to three sentences of more detailed background, comprehensible to scientists 13

in related disciplines.

One sentence clearly stating the **general problem** being addressed by this particular 15

study. 16

One sentence summarizing the main result (with the words "here we show" or their 17

equivalent). 18

Two or three sentences explaining what the **main result** reveals in direct comparison

to what was thought to be the case previously, or how the main result adds to previous

knowledge.

One or two sentences to put the results into a more **general context**. 22

Two or three sentences to provide a **broader perspective**, readily comprehensible to 23

a scientist in any discipline.

Keywords: keywords 25

Word count: X 26

Reproducible analysis of Schroeder & Epley, 2015: Do you come across as smarter when people read what you say or hear what you say

29 Method

This report reproduces the analysis from experiment 4 in Schroeder & Epley (2015).

The data were downloaded from the "open data" folder for this class, from the file named

"SchroederEpley2015data.csv." In experiment 4 Schroeder & Epley (2015) replicated the

results of experiments 1-3 but here enlisted professional recruiters as participants to

improve the ecological validity of their experiment.

35 Participants

The participants N=39 (mean age=30.85 years, SD= 6.24, 30 females) in experiment
4 were professional recruiters from fortune 500 companies who had agreed to evaluate
potential candidates at the University of Chicago Booth School of Business. The
experimenters reached out to 66 recruiters who had attended such a jobs conference at the
University of Chicago via email to request their participation in a survey. Of the 66
recruiters contacted, 39 responded and agreed to participate.

42 Materials

- The stimuli which were developed for experiment 1, of which a subset were used here in experiment 4, were created from video recordings of MBA students spoken elevator pitches made for potential employers. It was predicted that evaluators would respond more positively to the pitches that they heard rather than those they read, as this would make the candidates appear more thoughtful and intelligent.
- The survey then asked participants to rate each potential candidate on 3 dimensions: the candidate's competence (as compared to the average candidate for a similar position),

the candidate's thoughtfulness, and the candidates' intelligence. The recruiters were then
asked to rate their general impressions of the candidates with questions that probed how
much they liked the candidate, how positive and negative their overall impressions were
and whether or not they would opt to hire the candidate.

Procedure

Participants responded to an online survey and were randomly assigned to either listen to recordings of spoken pitches (audio condition) or the same pitch in text (transcript condition) and answered survey questions. The materials were the same as experiment 1 (except that there was no video condition in experiment 4). The survey questions were rated on a likert type scale from 0-10 (e.g. 0 = much less thoughtful, 10 = much more thoughtful).

The recruiters ratings of the job candidates pitches were collapsed into into composite measures of intellect (cronbach's alpha = .92) and general impressions (cronbach's alpha = .93).

64 Data analysis

We used R [Version 4.0.2; R Core Team (2020)] and the R-packages crayon [Version 1.4.0; Csárdi (2017)], csvread [Version 1.2.1; Izrailev (2018)], data.table [Version 1.13.6; Dowle and Srinivasan (2020)], dplyr [Version 1.0.3; Wickham, François, Henry, and Müller (2021)], ggplot2 [Version 3.3.3; Wickham (2016)], ggpmisc [Version 0.3.8.1; Aphalo (2021)], kableExtra [Version 1.3.1; Zhu (2020)], papaja [Version 0.1.0.9997; Aust and Barth (2020)], readr [Version 1.4.0; Wickham, Hester, and Francois (2018)], tibble [Version 3.0.6; Müller and Wickham (2021)], tidyr [Version 1.1.2; Wickham (2020)], and tinytex [Version 0.29; Xie (2019)] for all our analyses.

Results 73 CONDITION Intellect Rating ## 1 transcript 3.648148 ## 2 audio 5.634921 CONDITION Impression_Rating ## 77 ## 1 transcript 4.074074 ## 2 audio 5.968254 CONDITION Hire_Rating ## ## 1 transcript 2.888889 ## 2 audio 4.714286 ## 83 Two Sample t-test ## ## 85 ## data: Intellect_Rating by CONDITION ## t = -3.5259, df = 37, p-value = 0.001144 87 ## alternative hypothesis: true difference in means is not equal to 0 ## 95 percent confidence interval: ## -3.1284798 -0.8450652 ## sample estimates: ## mean in group transcript mean in group audio ## 3.648148 5.634921 ## Two Sample t-test ##

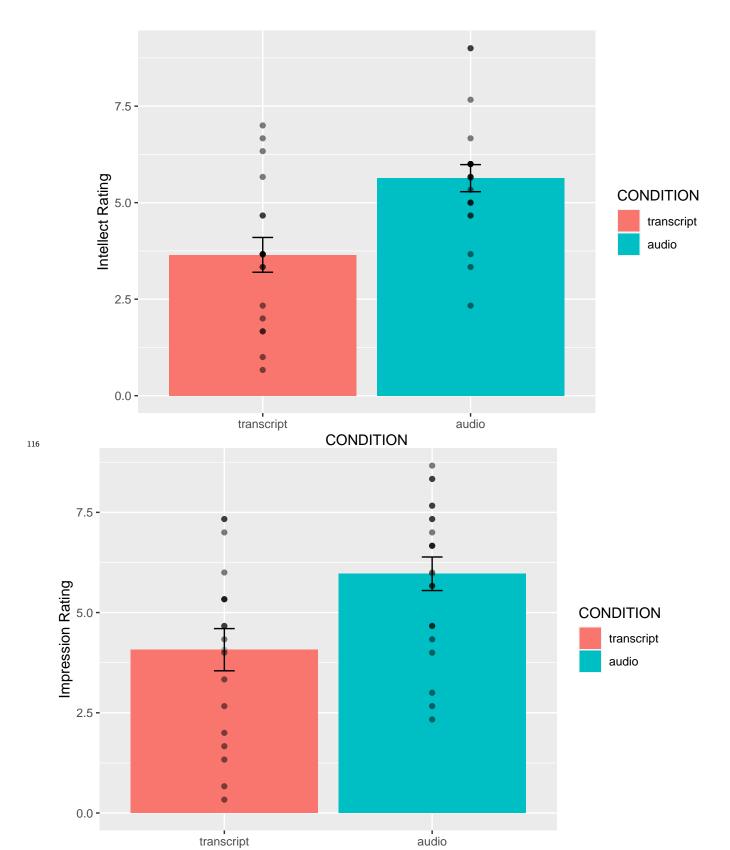
##

data:

Impression Rating by CONDITION

t = -2.8508, df = 37, p-value = 0.007091

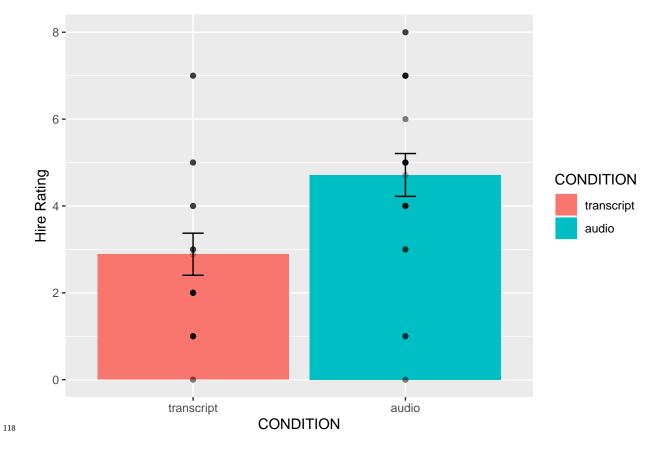
```
## alternative hypothesis: true difference in means is not equal to 0
99
   ## 95 percent confidence interval:
100
   ## -3.2404752 -0.5478846
101
   ## sample estimates:
102
   ## mean in group transcript
                                 mean in group audio
103
   ##
                       4.074074
                                                  5.968254
104
   ##
105
   ##
       Two Sample t-test
106
   ##
107
   ## data: Hire_Rating by CONDITION
108
   ## t = -2.6201, df = 37, p-value = 0.01267
109
   ## alternative hypothesis: true difference in means is not equal to 0
   ## 95 percent confidence interval:
111
   ## -3.2370242 -0.4137694
   ## sample estimates:
113
   ## mean in group transcript
                                 mean in group audio
114
   ##
                       2.888889
                                                  4.714286
115
```

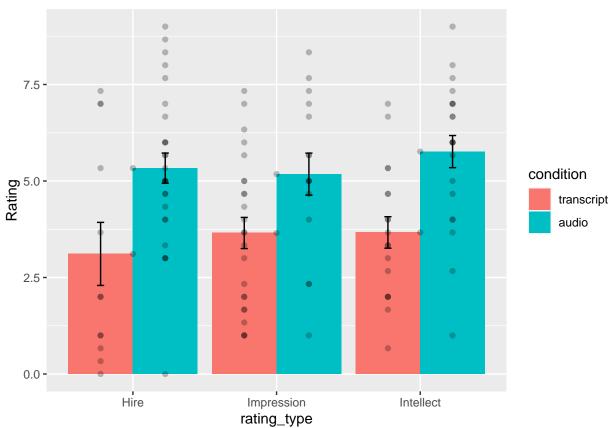


audio

CONDITION

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Discussion

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