

*Analyses of 2020 HRS Sample  
Representativeness*

**Documentation Report**

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<https://hrs.isr.umich.edu/sites/default/files/biblio/AnalysesHrsSampleRep2020.pdf>

## Summary:

We identified common variables across the American Community Survey (ACS), Current Population Survey (CPS), and National Health Interview Survey (NHIS) to derive national estimates for the Health and Retirement Study (HRS). Our analysis used 2020 data from all sources and was restricted to non-institutionalized individuals aged 57 and older, aligning with the youngest age cohort in HRS for that year.

Weighted estimates were calculated using the final survey weights provided in each dataset. We computed 95% confidence intervals for each descriptive parameter and examined the overlap of these intervals across the data sources. The results are presented using error bar charts and cumulative percentage charts.

Table 1. Examined Variables and Data Availability

Variable	Variable type/Range	Available dataset
Age	Continuous	HRS; ACS; CPS; NHIS*
Birth Year	<=1930 1931-1941 1942-1947 1948-1953 1954-1959 1960-1965	HRS; ACS; CPS; NHIS**
Gender	Male Female	HRS; ACS; CPS; NHIS
Education Level	<=HS HS Some College/Bachelor >=Graduate	HRS; ACS; CPS; NHIS
Race/Ethnicity	Hispanic NonHispanic Black NonHispanic White/Other	HRS; ACS; CPS; NHIS
Self-Rated Health	Excellent	HRS; CPS; NHIS

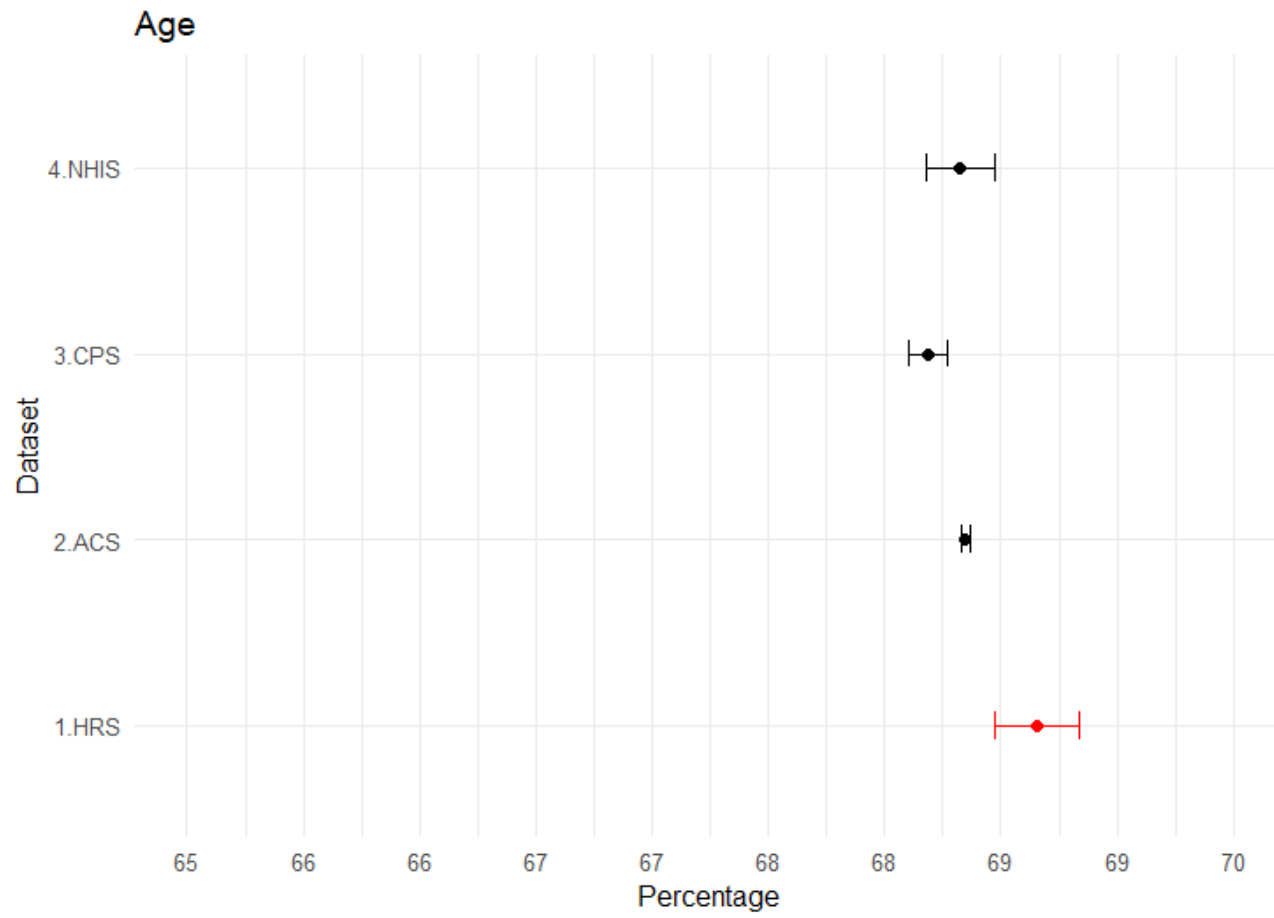
	Very Good Good Fair Poor	
Self-Rated Health – Binary***	Good Not Good	HRS; CPS; NHIS

\* CPS, age 80–84 was coded as 80, and age 85+ was coded as 85. In NHIS, age 85+ was coded as 85.

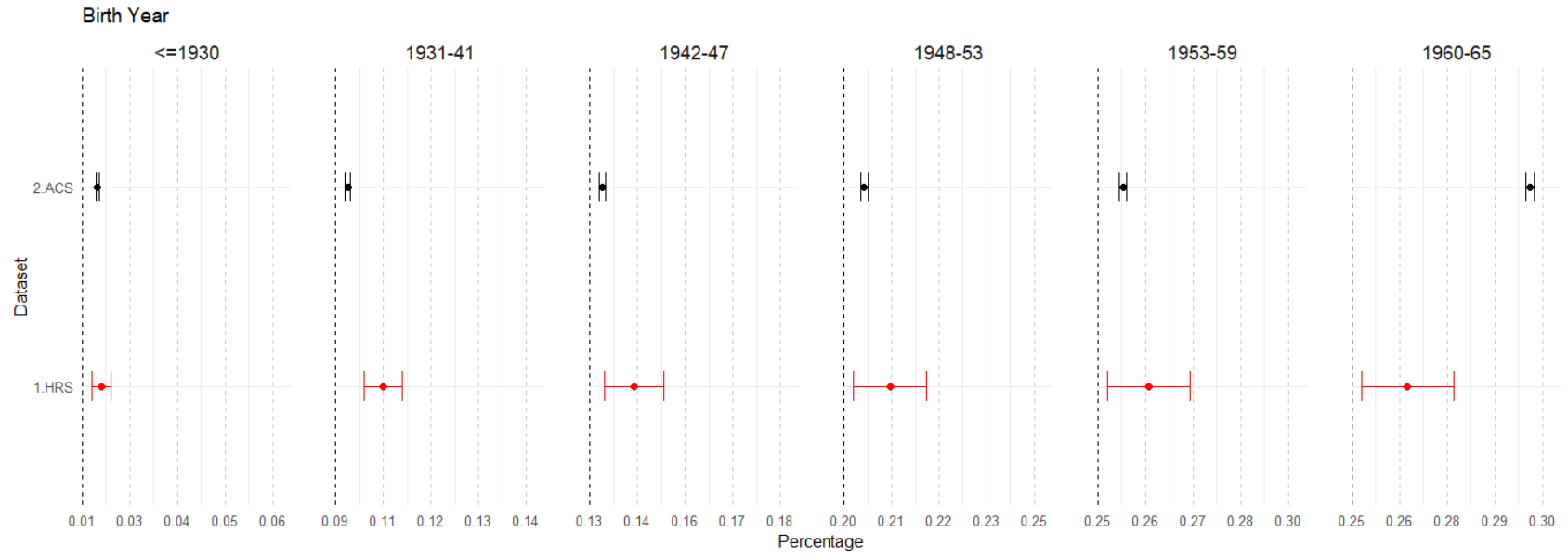
\*\* CPS and NHIS do not provide birth year directly, so age cohorts were derived based on age at the time of the interview.

\*\*\* The binary self-rated health variable was recoded from the original categories as follows: "Excellent," "Very Good," and "Good" were grouped as "Good," while "Fair" and "Poor" were grouped as "Not Good."

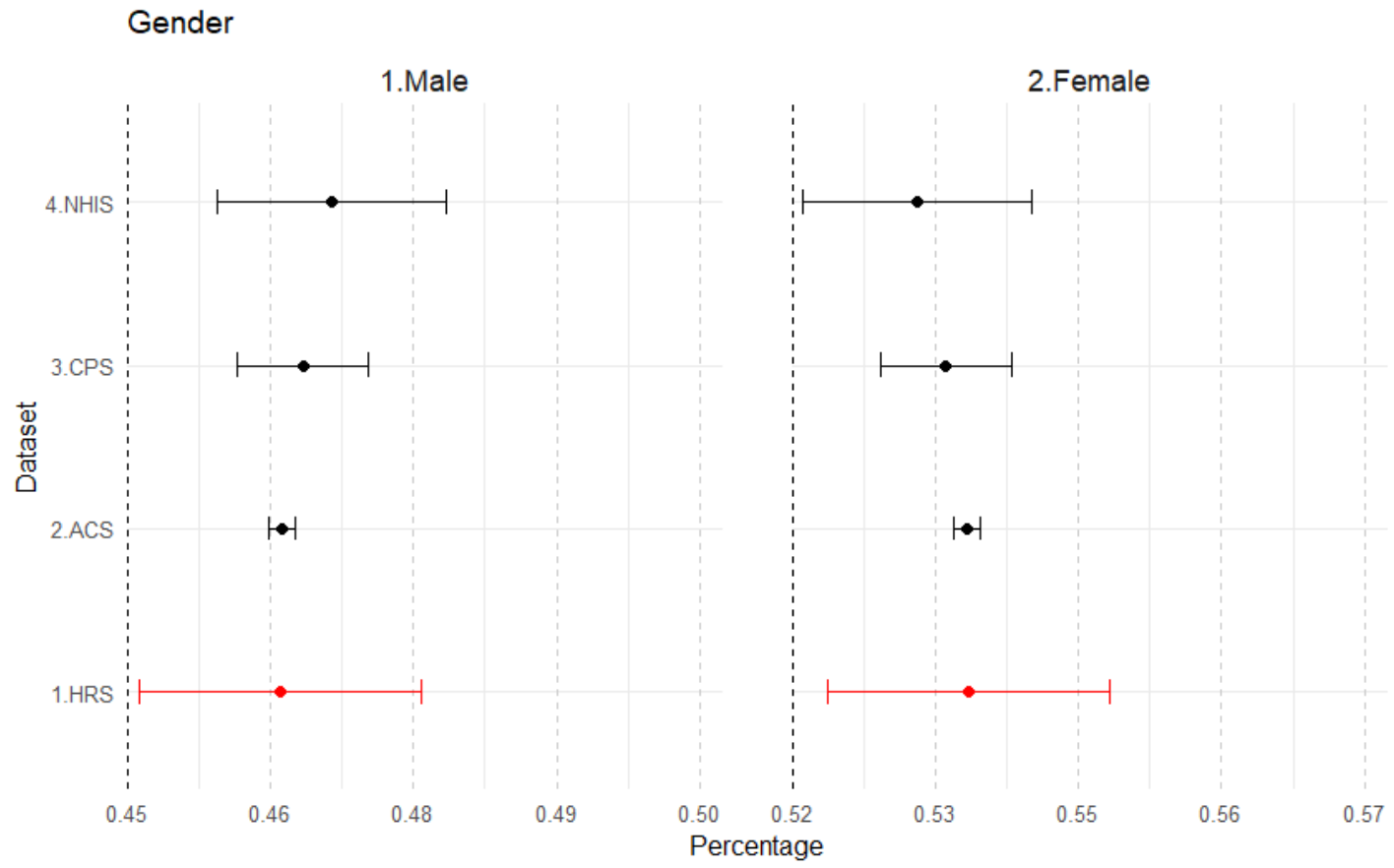
# Age



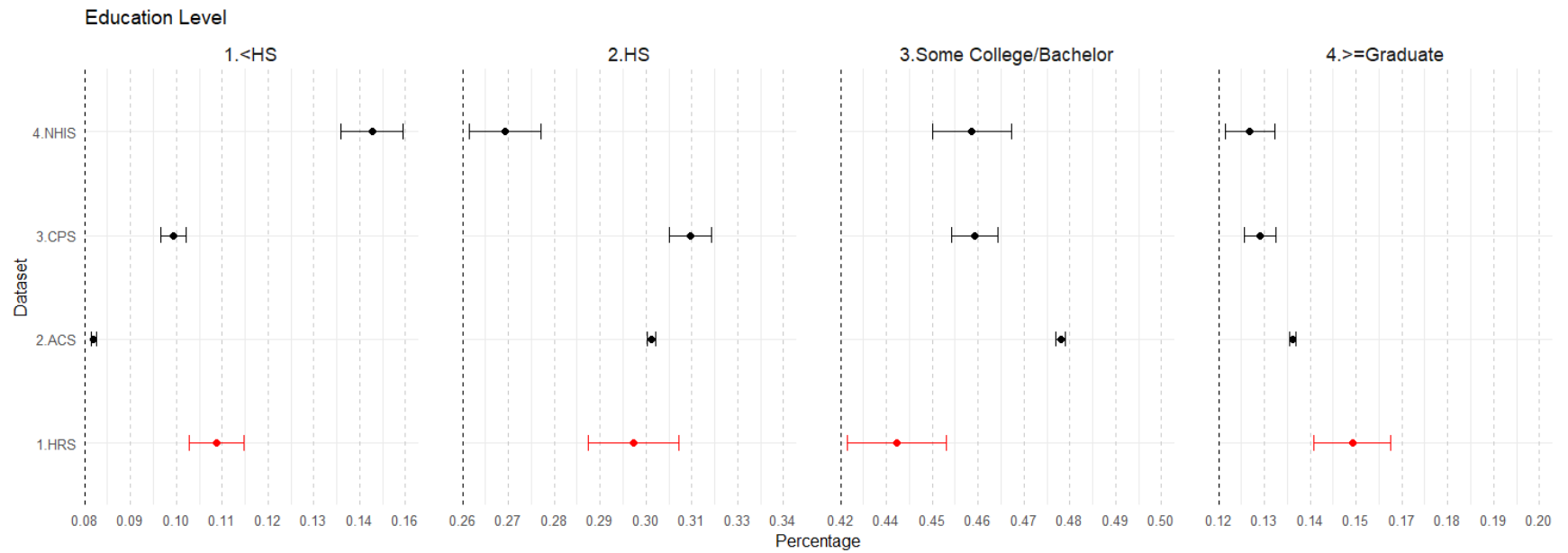
# Birth Year



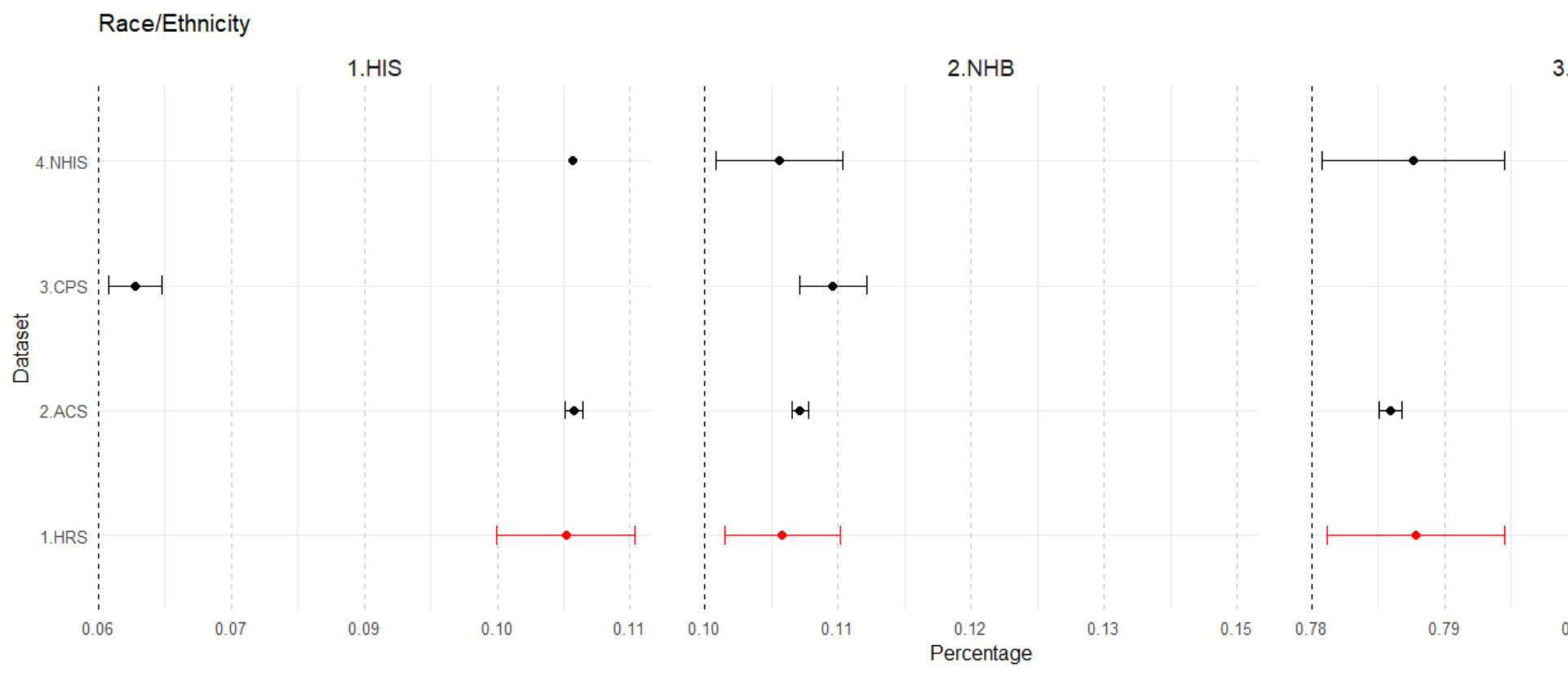
# Gender



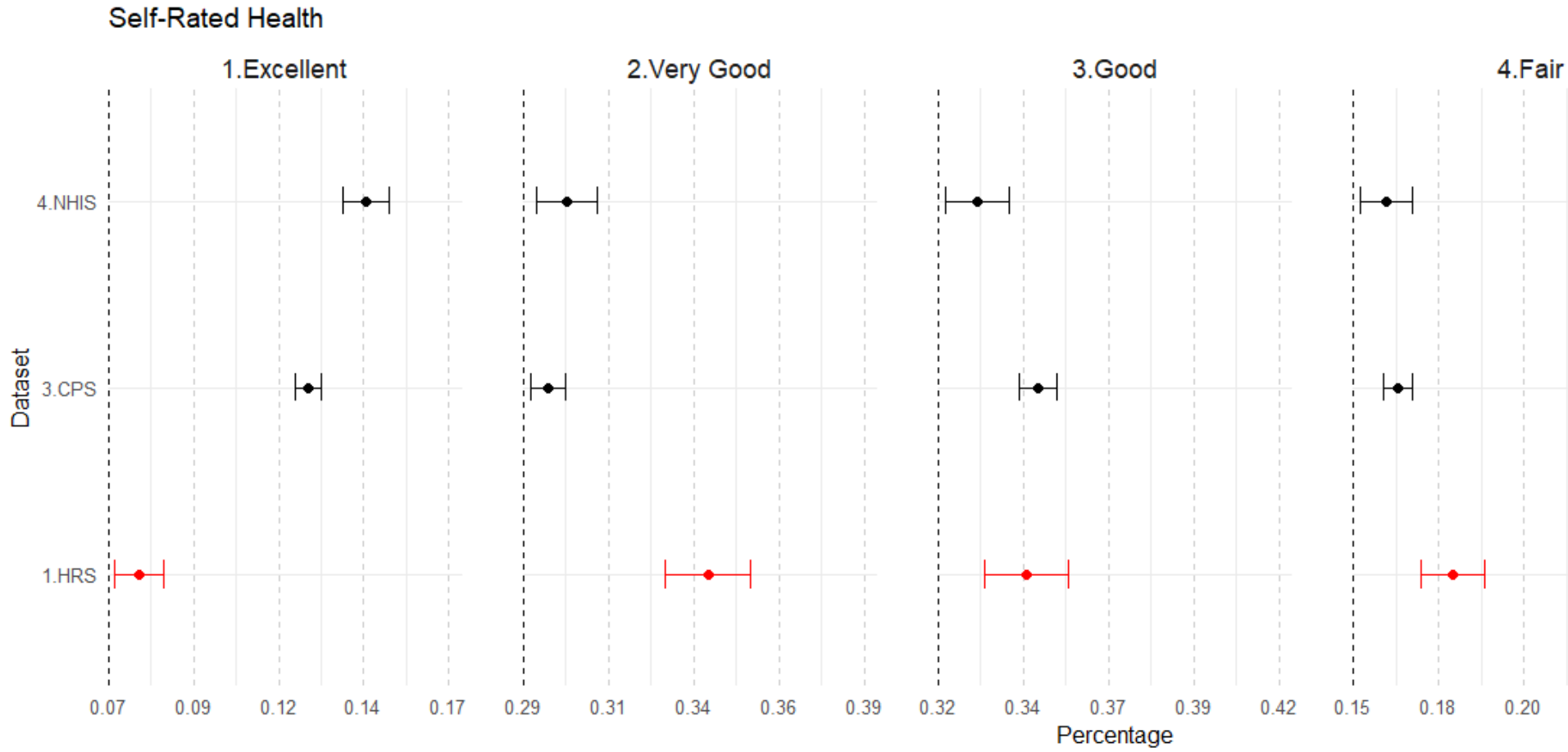
## Education Level



# Race/Ethnicity



# Self-Rated Health



# Self-Rated Health - Binary

