

Problem Set 4 Grading Rubric

The total score will be 24 points

Each section will be graded on a 1 to 3 point scale.

Section:	Missed the Mark Score: 1	Needs improvement Score: 2	Nailed it! Score: 3
Objective	The objective broadly describes that the analysis will explore factors and mediators for mean pulse pressure but does not provide any specific details.	The objective of the analysis is broadly defined as evaluating predictors of and mediators for mean pulse pressure; specific details are provided for one but not both objectives.	The objectives are clearly stated; both determining the relationship between mean pulse pressure and age/sex/race AND identifying if wt/ht/BMI are mediators for the mean pulse pressure vs. age relationship
Data	The NHANES is described but specific details about the outcome (mean pulse pressure), predictors (age,sex,race) and mediators (wt,ht,bmi) are not included	The NHANES is described and SOME but not all definitions are provided for the outcome (mean pulse pressure), predictors (age,sex,race) and mediators (wt,ht,bmi) are not included	The NHANES is described and ALL of the following are defined: the outcome (mean pulse pressure), predictors (age,sex,race) and mediators (wt,ht,bmi) are not included
Methods for Objective 1:	Little to no details are provided as to the model correlating mean pulse pressure with age/sex/race.	Methods to evaluate how mean pulse pressure changes as a function of age/sex/race are described; but details are lacking so that I don't think I could replicate the authors analysis	Specific methods/models are described such that I am confident that I could replicate the authors analysis.
Methods of Objective 2:	Little to no details are provided as to how wt/ht/bmi are evaluated as possible mediators for the sex/race adjusted mean pulse pressure vs. age association	Methods to evaluate whether wt/ht/bmi are mediators for the sex/race adjusted relationship between mean pulse pressure and age but details are lacking so that I don't think I could replicate the authors analysis	Specific methods/models are described such that I am confident that I could replicate the authors analysis.

Results: Descriptive analysis	The author provided no quantitative summary of the data	The authors provided reference to a figure/table but did not include a summary of the patterns of the data in the text.	The authors provided a quantitative summary of the data (perhaps via a figure) and corresponding text describing the general patterns in the data.
Results: Mean pulse pressure vs. age/sex/race	The author provided no quantitative summary of the relationship between mean pulse pressure and age/sex/race	The authors described generally the results of their modeling approach but included very little quantitative summaries.	The authors thoroughly described the results of their modeling approach including quantitative text.
Results: Mediation analysis	The author provided no quantitative summary for the mediation analysis	The authors stated their findings without providing numeric support.	The authors stated their findings with numeric support via text/table/figure.
Discussion of limitations	The author does not provide any limitations	The author provides general limitations that are not necessarily linked with the analysis	The author provide limitations that are linked with the analyses conducted.