**Q1**Type of Question

1 Point

Thinking about our PPDAC framework, what type of a question are the authors asking?



Predictive



Etiologic



Descriptive

**Q2**Types of variables

2 Points

Now thinking about the types of variables we have discussed in class, choose the correct type for each of the following variables.

**Q2.1**Previous antihypertensive therapy

0.5 Points



Nominal



Ordinal



Discrete



Continuous

**Q2.2**Body Mass Index

0.5 Points



Nominal



Ordinal



Discrete



Continuous

**Q2.3**Age distribution (<55 or >55)

0.5 Points



Nominal



Ordinal



Discrete



Continuous

**Q2.4**Pulse

0.5 Points



Nominal



Ordinal



Discrete



Continuous

**Q3**What measure of spread is presented for each of the blood pressure measurements in table 1?

1 Point



**Q4**Correlation

1 Point

Which of these is the equation for the correlation coefficient?



\bar{x} = \frac{1}{n}\sum\_{i=1}^n x\_i*x*ˉ=*n*1​∑*i*=1*n*​*xi*​



s = \sqrt{\frac{1}{n-1}\sum\_{i=1}^n(x\_i-\bar{x})^2}*s*=*n*−11​∑*i*=1*n*​(*xi*​−*x*ˉ)2​



s^2 = \frac{(x\_1-\bar{x})^2 + (x\_2-\bar{x})^2 + ... + (x\_n-\bar{x})^2}{n-1}*s*2=*n*−1(*x*1​−*x*ˉ)2+(*x*2​−*x*ˉ)2+...+(*xn*​−*x*ˉ)2​



r=\frac{1}{n-1}\sum\_{i=1}^n(\frac{x\_i-\bar{x}}{s\_x})(\frac{y\_i-\bar{y}}{s\_y})*r*=*n*−11​∑*i*=1*n*​(*sx*​*xi*​−*x*ˉ​)(*sy*​*yi*​−*y*ˉ​​)