

HW #4 (Due date : Oct 15, 2018)

\* 분석은 R과 SAS를 모두 이용하고 두 결과를 비교하시오.

Improved anesthetics are often developed by first studying their effects on animals. In one study, 19 dogs were initially given the drug pentobarbital. Each dog was then administered carbon dioxide CO<sub>2</sub> at each of two pressure levels. Next, halothane(H) was added, and the administration of CO<sub>2</sub> was repeated. The response, milliseconds between heartbeats, were measured for the four treatment combinations

- Treatment 1: High CO<sub>2</sub> pressure without H
- Treatment 2: Low CO<sub>2</sub> pressure without H
- Treatment 3: High CO<sub>2</sub> pressure with H
- Treatment 4: Low CO<sub>2</sub> pressure with H

with H x H  
1 2 | 1 2

적절한 방법으로 분석하여 결과를 해석하시오.

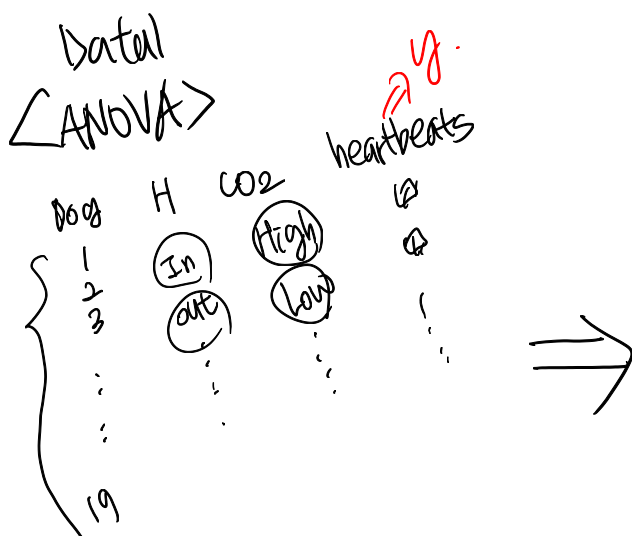


Diagram illustrating the experimental design for Data 2 (MANOVA):

Dog	In		Out	
	Low	High	Low	High
1				
2				
3				
⋮				
19				