**Principles of Data Science Assignment-1**

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1.Frailty is physical weakness; lack of health or strength. Reduced grip strength in females correlated.

with higher frailty scores and vice versa. Hand grip strength can be quantified by measuring the amount.

of static force that the hand can squeeze around a dynamometer. The force has most commonly been.

measured in kilograms and pounds. The table below represents data from 10 female participants. The

Height is measured in inches, Weight in pounds, Age in years, Grip strength in kilograms. Frailty is

qualitative attribute indicated the presence or absence of the symptoms. Based on the following table,

design the three stages of reproducible workflow, includes the work you can do and the folder structure!

in each stage (reference study case in chapter 3). (5 points)

Height Weight Age Grip Strength Frailty

65.8 112 30 30 N

71.5 136 19 31 N

69.4 153 45 29 N

68.2 142 22 28 Y

67.8 144 29 24 Y

68.7 123 50 26 N

69.8 141 51 22 Y

70.1 136 23 20 Y

67.9 112 17 19 N

66.8 120 39 31 N

