Week8 - 02424 ex1

> Q1: Here we have only a random effect hence no fixed regressor but a random variable as regressor

Q1: E[Y | U] = U -

V[YIU] = oz

Q3: IE[Y | V=u] = n.0

V[Y | U=u] = 022

Q4: IF[Y] = SIE[Y | V=n]. dE(n)

= IE[U] O

= MUD

V[Y] = 0,202 + 0,2

ex2: see solution