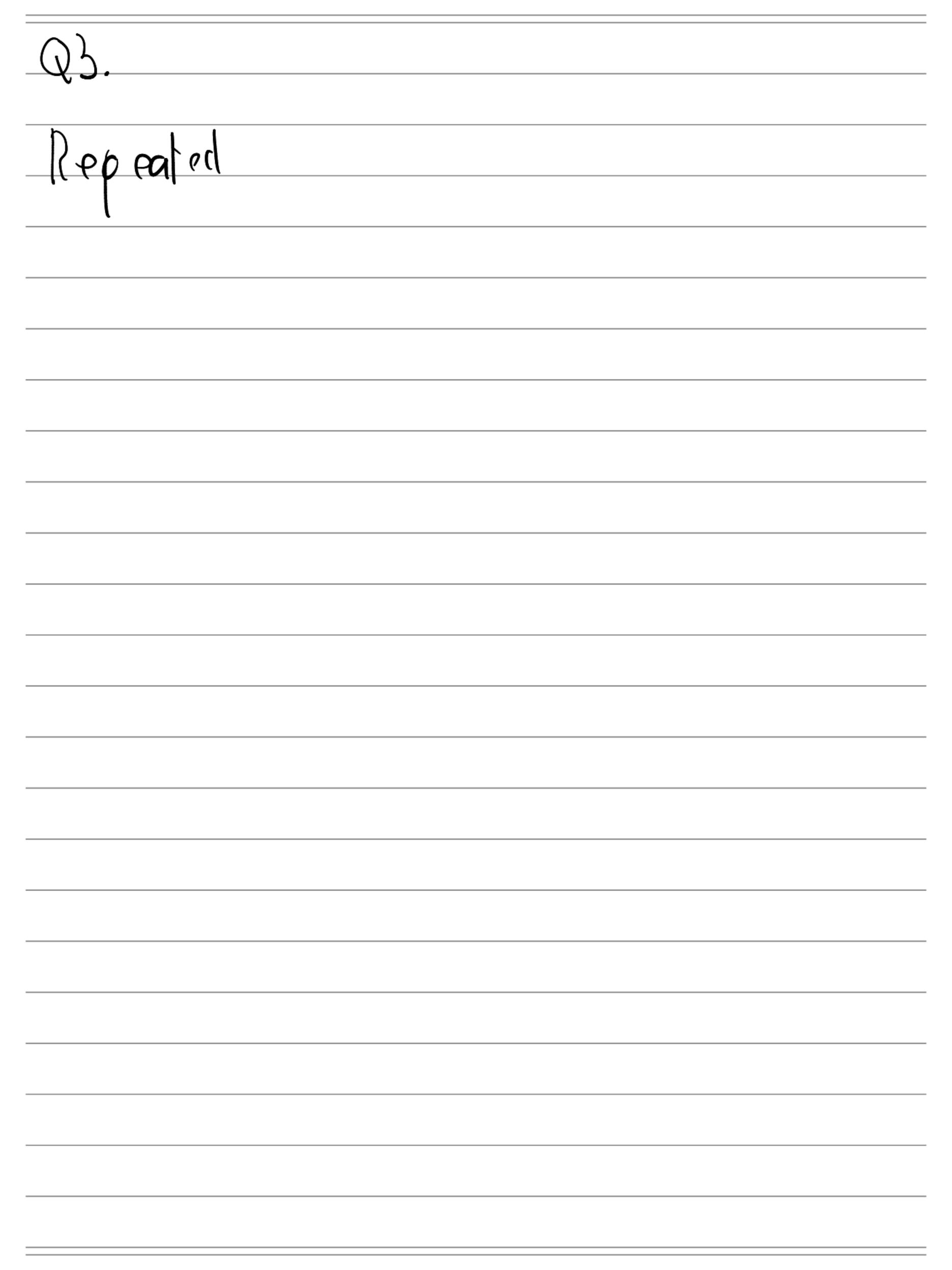


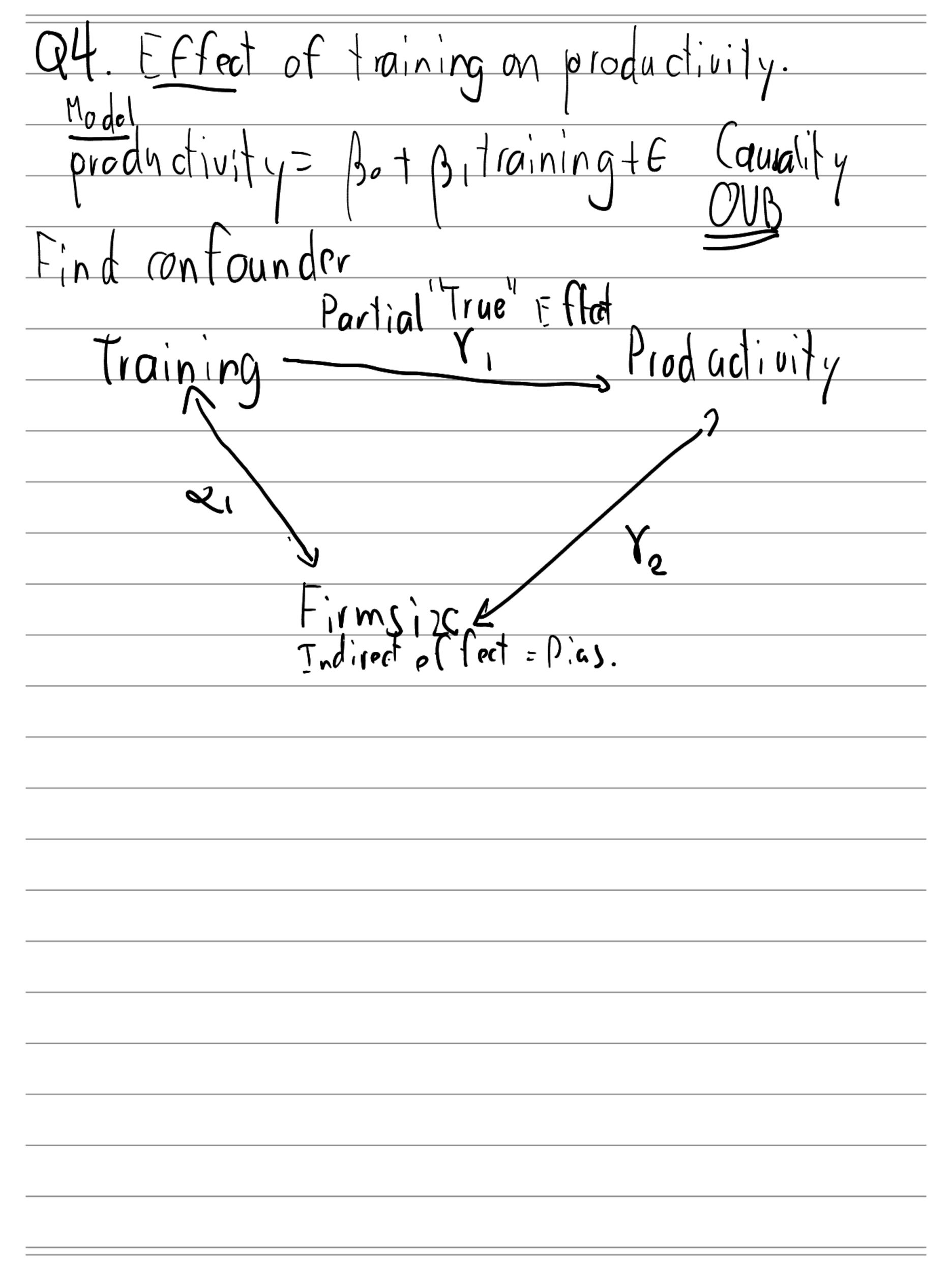
Last week
Recap of functional forms Exercises.

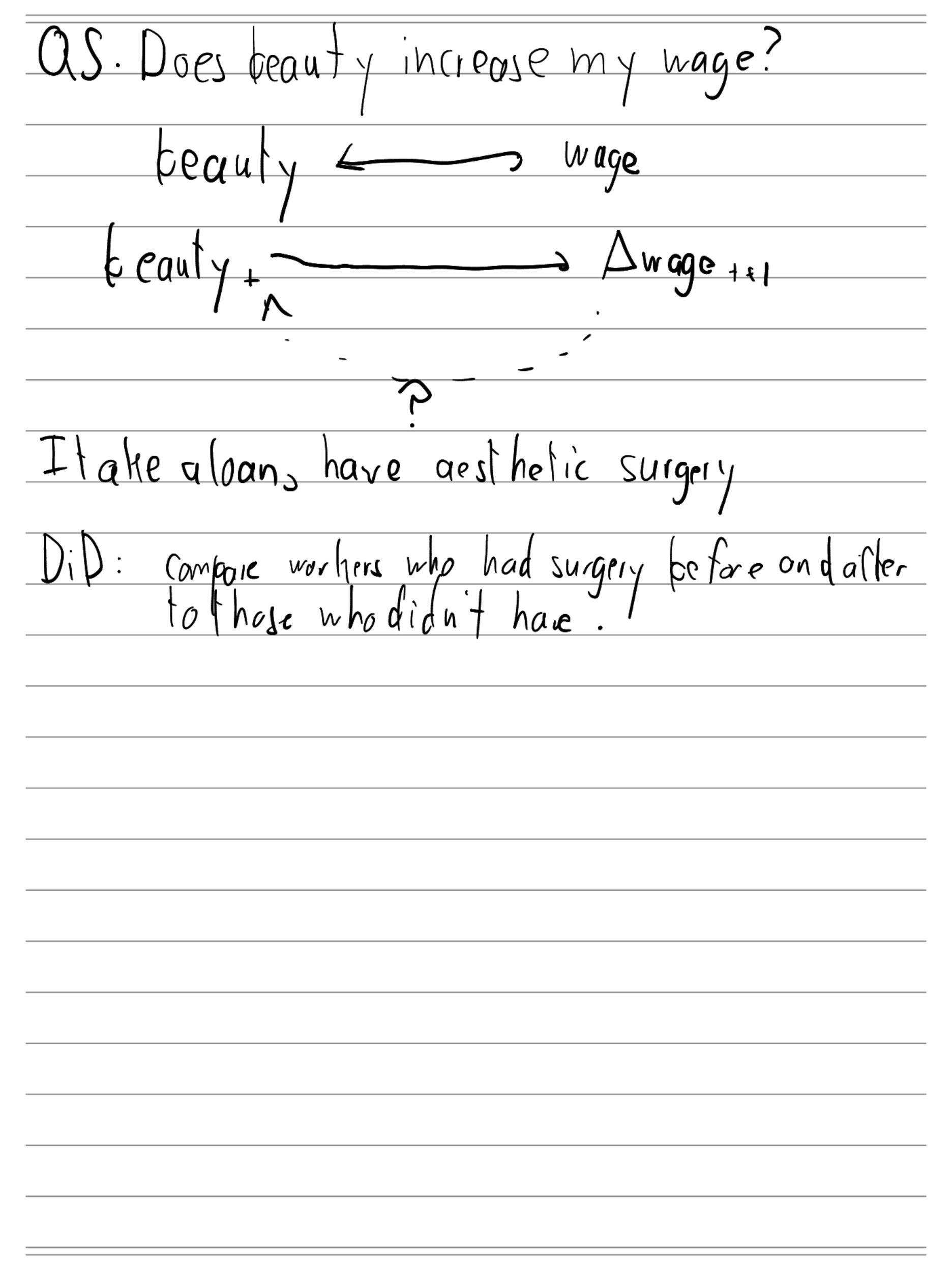
Today
Happy to go again over Topic S Expraises.
How are non Leeling a bout the course and life?
How are you feeling a bout the course and life? Exercises related to OVB, reverse causality, and non-random sampling.
non-random sampling.
•

Q1. Linear projection model
9(41X)= X'([F[XX]) - IF[XY] x. var(x) - cov(x,y)
$\times \cdot \text{Var}(x) \cdot \text{cov}(x,y)$
Predictive model + rausal model
p_{\pm} 4S + 0.3 · car sales + $$
IF [et car sales] \$ 0 but IF Let car sales]=0.
IFTe-J=O.

Q2. Good predictors	
Discussion in past class	. Post - Lasso selection.
Predidive	(a usal
For ason aon d	Controls deal withows
predictors.	
Focuson good predictors. Controls are not that important.	
Fhut important.	







Q6. Similar to S.
Camoral pri effect on wide exs.
Difficult to change.
The fail to any c.
Extreme - wares.

Q7. Jiid =>] Bunbiased?
A2. i i d sampling sufficient.
AS. IETelx) un bia sed n ess.
Violated or not violated
non-random sampling otherwise around yor X.

Q8. Earning and ceat assignment at school.
earnings; = Bot Bidesh number; te;
Sampling: random from attendants to meding.
I dest number l'achievement Ilitelihood of attending
Tearnings = s exaggerated effect.
Deor = Bot Bi. destinumber; + 1[Le: aftended]]

Summory
OVB
Sample selection Projection vs. regression Von-random sumpling Indiasedness. Reverse causality.
Projection vs. regression
Non-random sampling
Intrasedne ss.
Keverse ausality.