

Q6: The “specifications I, II and II” are a bit confusing, because the paper and the SOM are slightly different. From the SOM

In specification I, we regressed the number of submissions in a given year against the one-year-lagged HESpending_stock. We included country fixed effects.

In specification II, we introduced a dummy variable that takes a value equal to one in the year when a policy-event of either type occurred and in all subsequent years.

Year dummies were added in specification III.

In fact, specification III has two versions, called “A” and “B” in the *Science* article. From that article:

In specification A, all incentive programs are grouped together. In specification B, incentives are differentiated according to whether they link institutional funding to faculty performance or whether they provide rewards to individual researchers either in terms of career advancement or cash bonuses.

I deduced this because:

... we control for each countrys expenditures on research in higher education. Year and country fixed effects are included in all models.

Your task is to fit a model with (I) one-year-lagged HESpending_stock, and country fixed effects; (II) previous including dummy variable for incentives (2 versions); (III) all of the previous plus year dummies. The only response variable you need to consider is $\log(\text{acceptance rate})$.