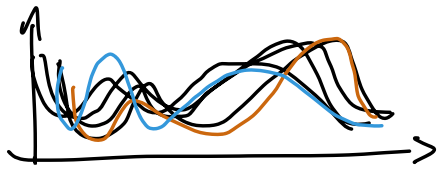


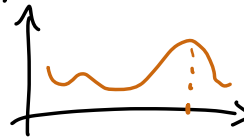
Idea 1 - 2nd derivative



H_p: → Nord (or High-level instruction districts)

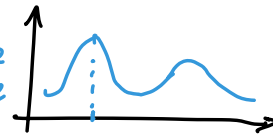
2nd der.

more
like



→ Sud (or Lower-level instruction districts)

2nd
der
more
like



i.e. We would like to verify if the instruction level produces sort of a change in the behaviour of families w.r.t the urgency of having a child.

More specific :

→ In country with a high level instruction we expect to observe an "acceleration" in having kids in a more advanced age, with a more pronounced shift due to the fact that a woman is "running out of time";

→ In country with a lower level we expect an early acceleration maybe less steep. If I'm not studying I may decide to have a family (and a child) earlier;

Possible statistics to make inference:

PRO

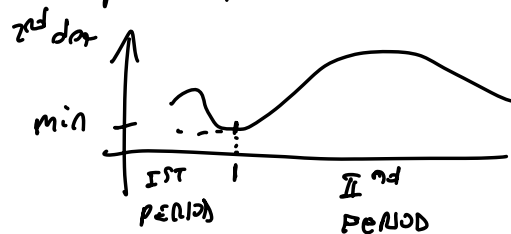
CONS

→ max : → we observe properly the peak

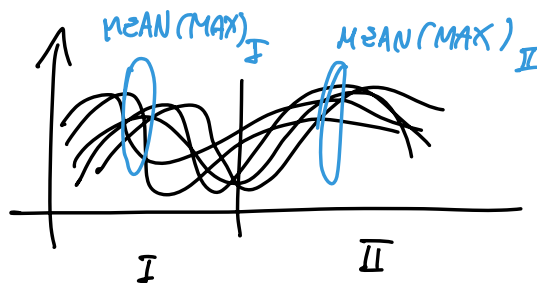
→ we are not properly intimated to the peak but we are on the tendency of 1st-2nd part

→ $\text{DIFF}(\text{MED}(\text{MAX}))$:

1) divide in two period the time, in the min possibly :

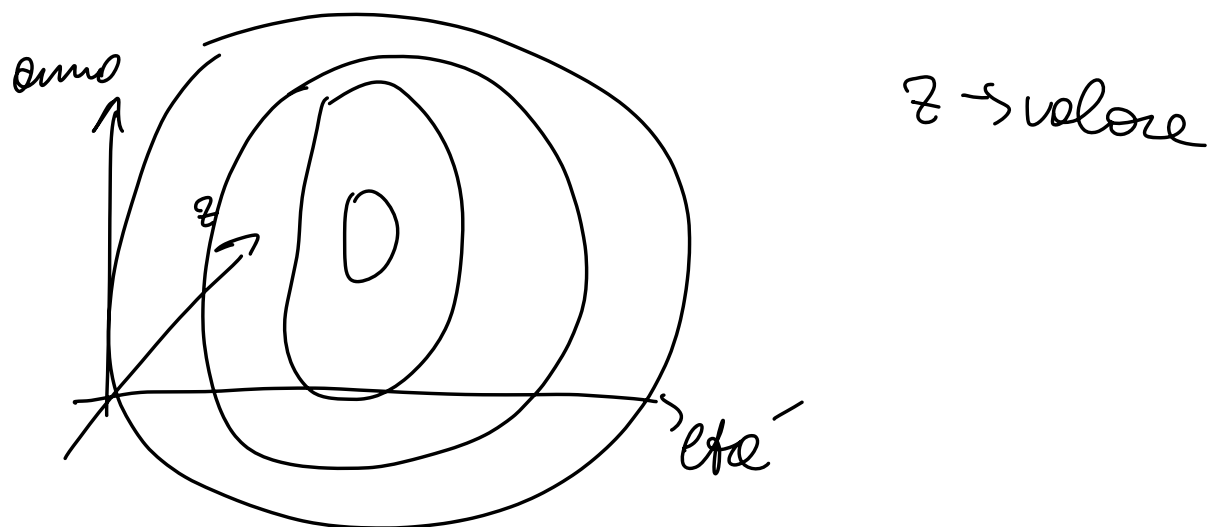


2) Compute $\text{MED}(\text{MAX})$ or $\text{MEAN}(\text{MAX})$ of the two period:

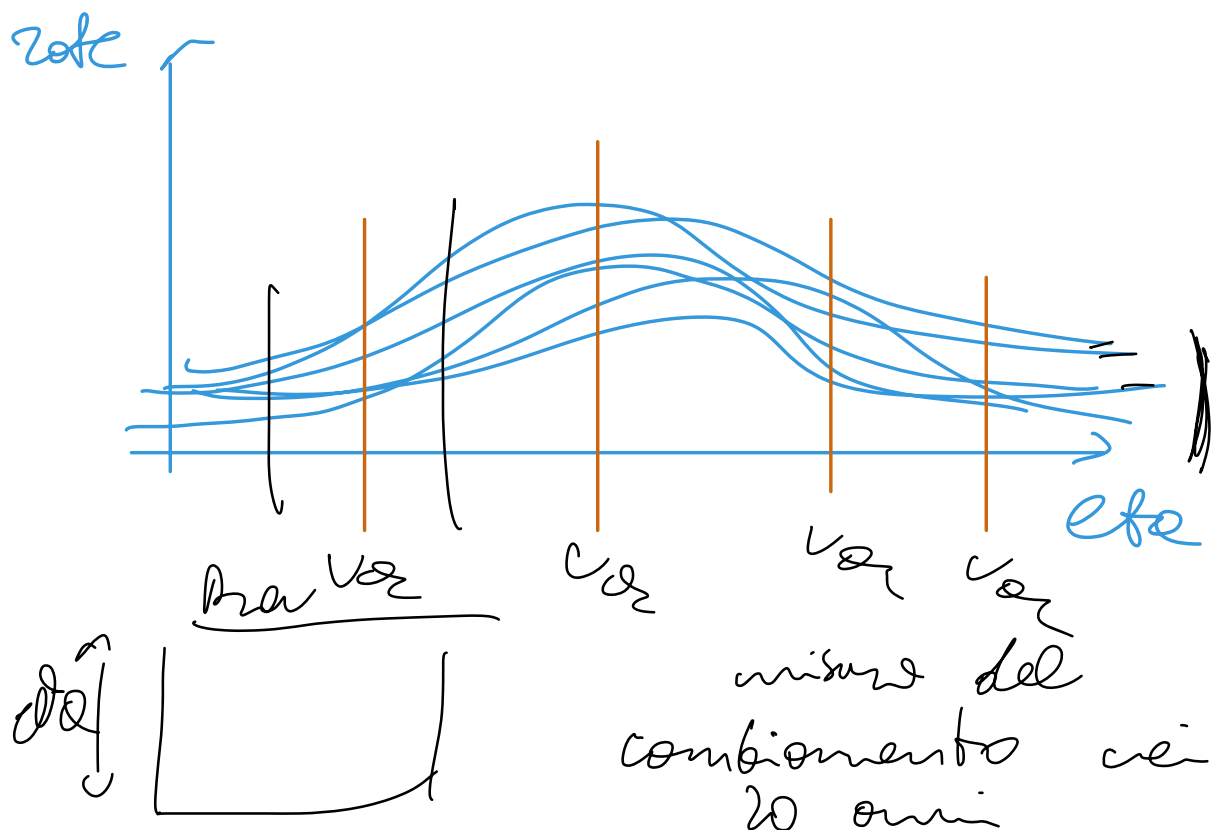


3) Compute the DIFFERENCE

Reference FDA of tongue
Pini Specific Vantini Vietti profile



Inferenza su superfici invece
che su linee





TO BE DONE

Local tests, as in class, for the
p-value curve in all the tests

Prove e implementare functional
ANOVA

Tutto per tutte
le derivate

Idea RANK TEST

Distributione Bootstrap su una
statistica

→ Interquartile, quarti e
quali frazioni esano
