

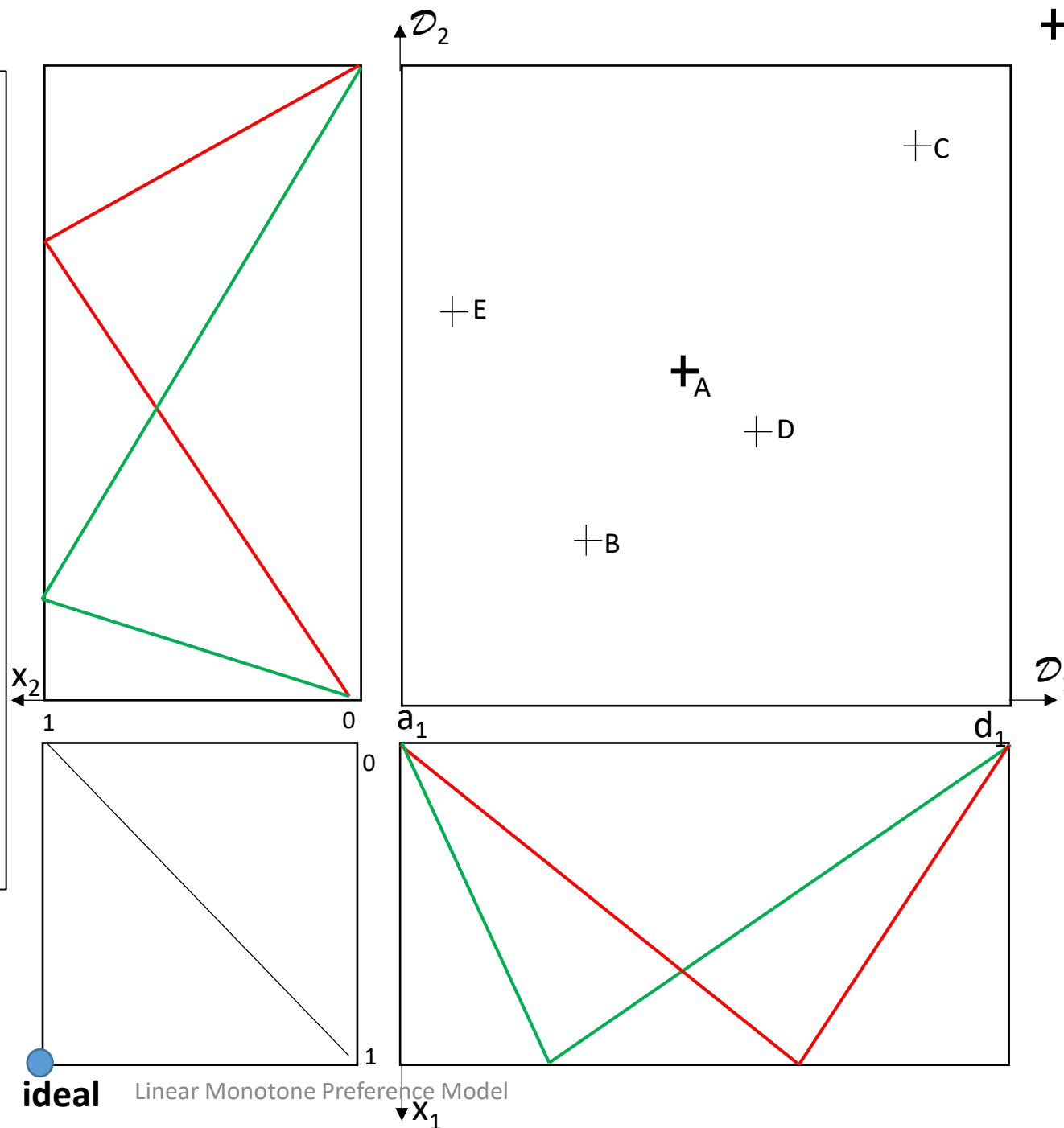
NSWI166

Labs #5: linear monotone preference model

- If to be completed at home, print the assignment, fill in, and upload photos of the drawn solutions

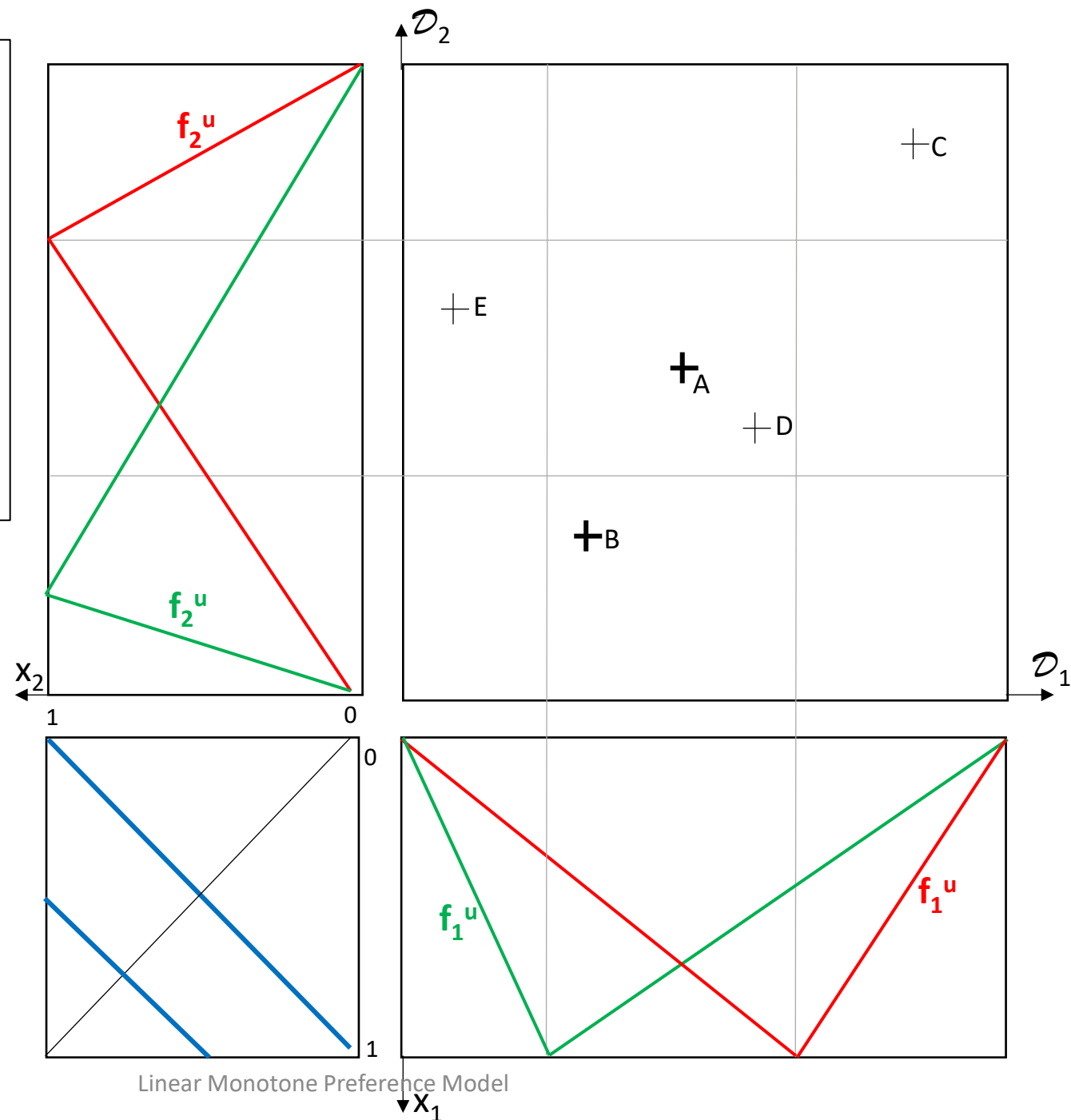
Have two users u and u with their attribute-wise preferences as displayed:

- Draw images of points A-E on preferential cube ($A_p \dots E_p$)
- Considering equal importance of both attributes, what is the ordering of points for both users?
- What are the ideal points for both users on the data cube?
- For point B_p , draw all possible data sources that would lead to this particular point in the preference cube.



Have two users u and \bar{u} with their attribute-wise preferences as displayed:

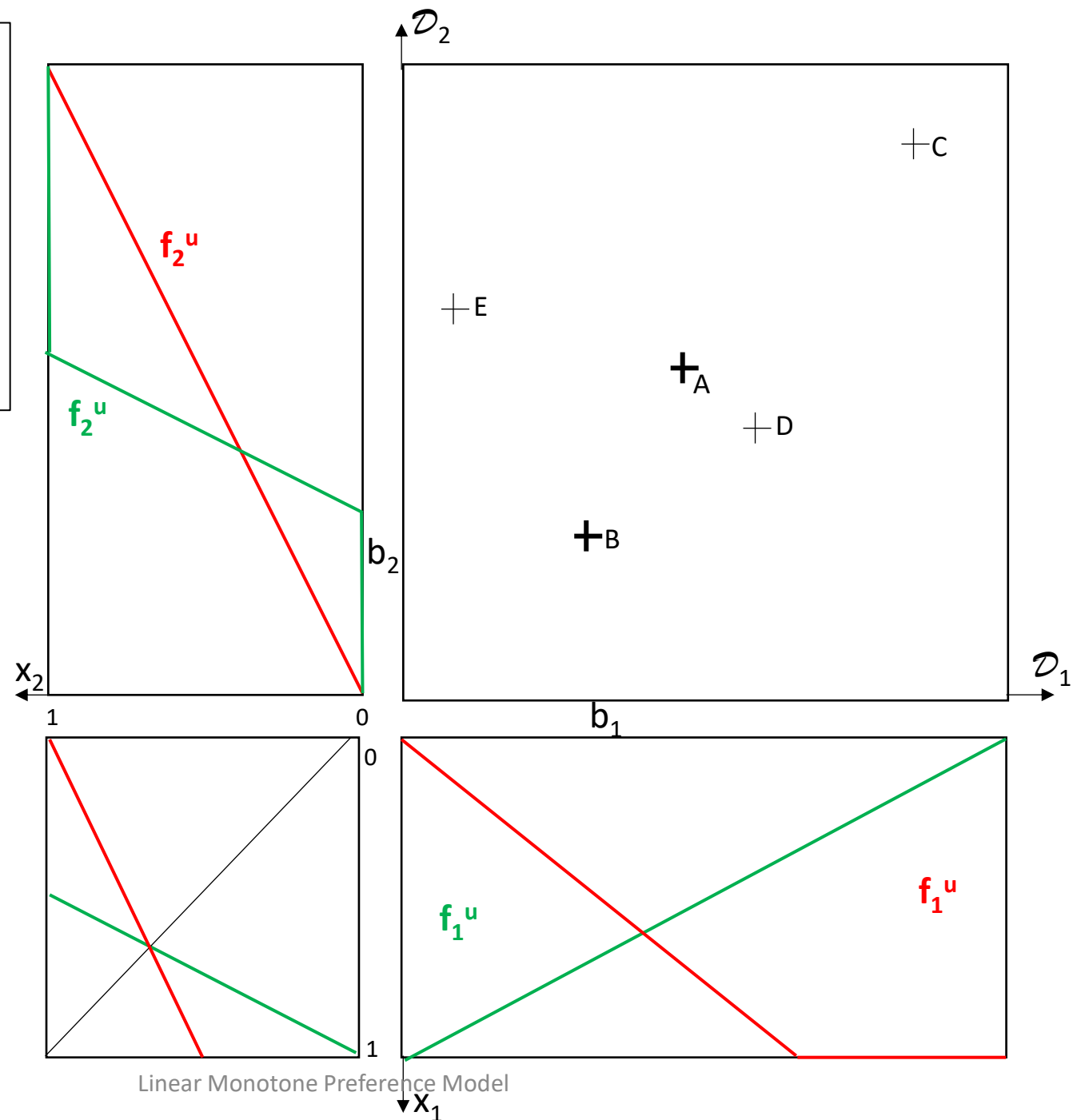
- Considering the equal importance of both attributes, draw the subspace on the data cube corresponding to 0.5 and 0.75 preference levels of both users
- What data points are within those preferential sets? Are there any intersections?



Linear Monotone Preference Model

Having slightly more complex preference functions and different aggregations for both users:

- Draw the subspaces for the corresponding contour lines on the data cube for both users
- Draw the ideal point(s) for both users



Linear Monotone Preference Model