

Cropland functional diversity increases ecosystem services supply in watersheds of the Rio de la Plata Grasslands

Landscape Ecology

Authors: Gonzalo Camba Sans^{a,b,*}; Pablo Baldassini; Federico Gallego; José María Paruelo

^aLART, IFEVA, Universidad de Buenos Aires, CONICET, Facultad de Agronomía, Av. San Martín 4453, Buenos Aires, Argentina.

^bDepartamento de Métodos Cuantitativos y Sistemas de Información, Facultad de Agronomía, Universidad de Buenos Aires, Av. San Martín 4453, Argentina.

*Corresponding author: camba@agro.uba.ar

Supplementary material 1

Predictor variables correlations were below 0.7, thus suggesting the absence of multicollinearity (Dormann et al. 2013). Some correlations are near 0.7, for example between %Crop and CropFuncDiv (correlation = -0.63), however the scatter plot for these variables shows a high dispersion of the CropFuncDiv along the %Crop axis. For example, in micro-watersheds with a %crop around 50%, there are a lot of landscapes with CropDivFunc values below 1 and several landscapes with CropDivFunc values above 2 (Figure S1).

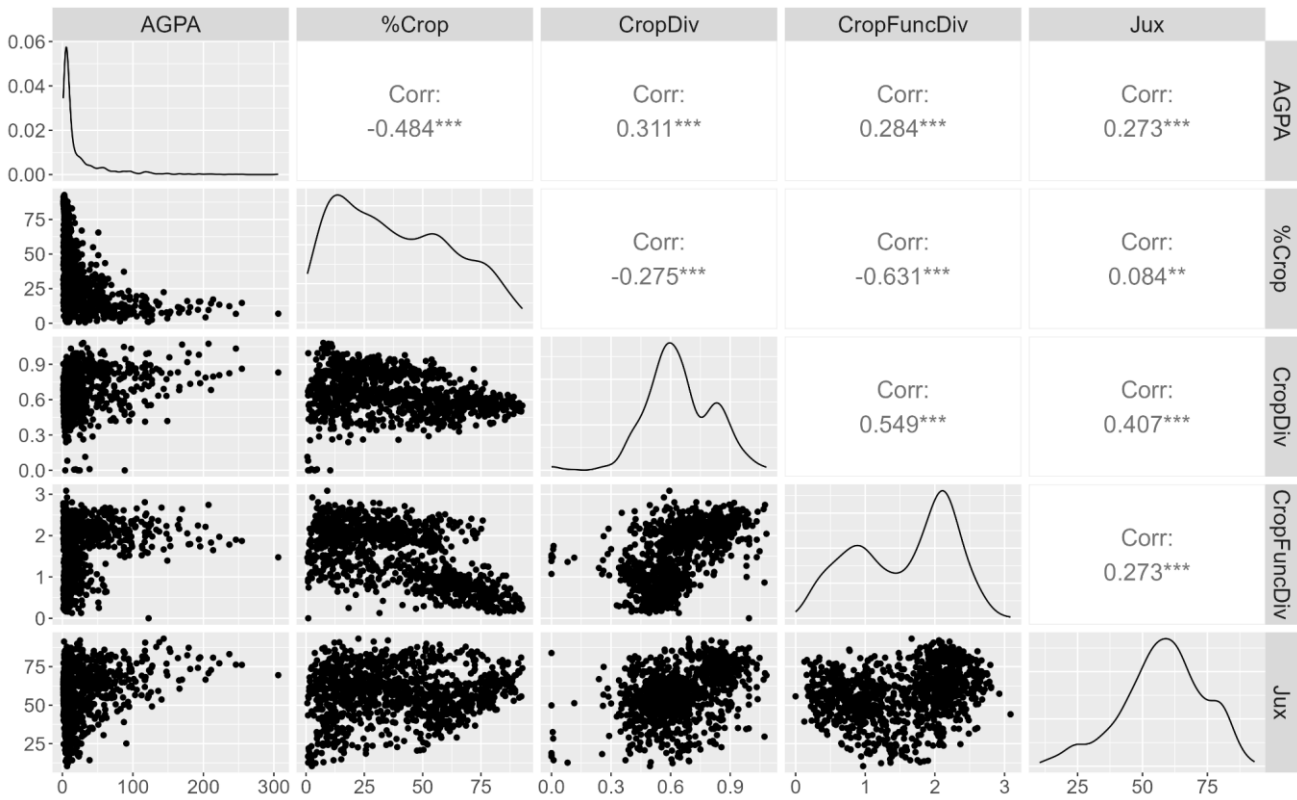


Figure S1. Pearson's correlation coefficients and scatterplots between predictor variables. The predictor variables from left to right and from top to bottom are: Average Grassland Patch Area (AGPA), Cropland Percentage (%Crop), Cropland system diversity (CropDiv), Cropland functional diversity (CropFuncDiv) and Grassland Juxtaposition (Jux).