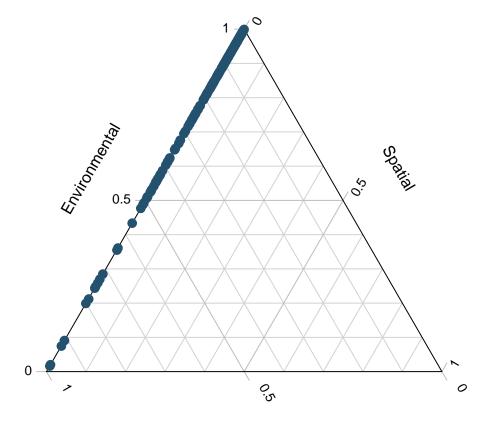pa, gismslidarmin