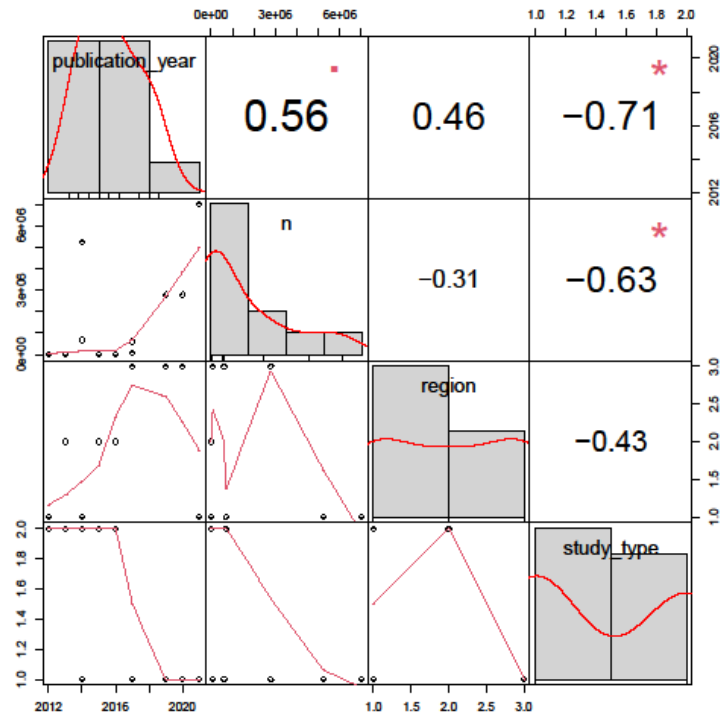
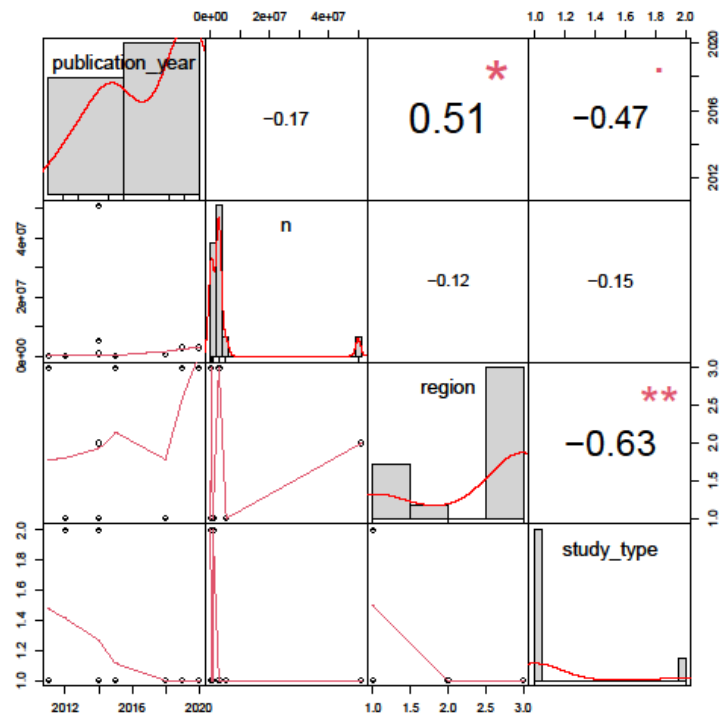


## S8. Correlation Matrices for each outcome.

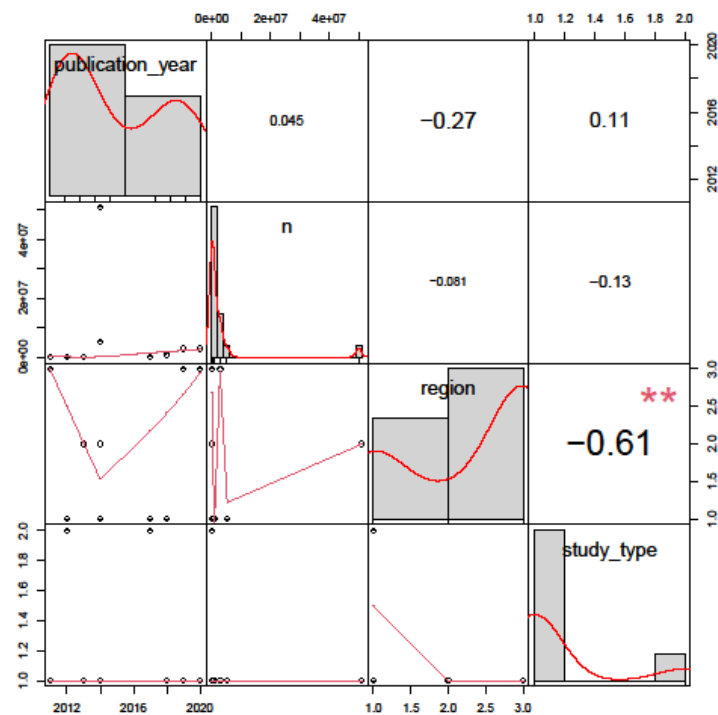
### Asthma



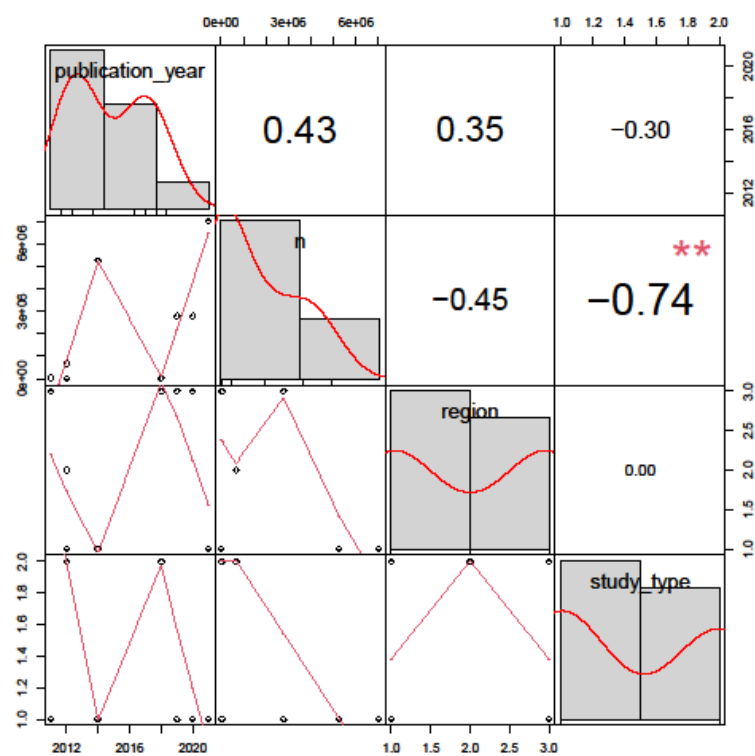
### Autoimmune disorders



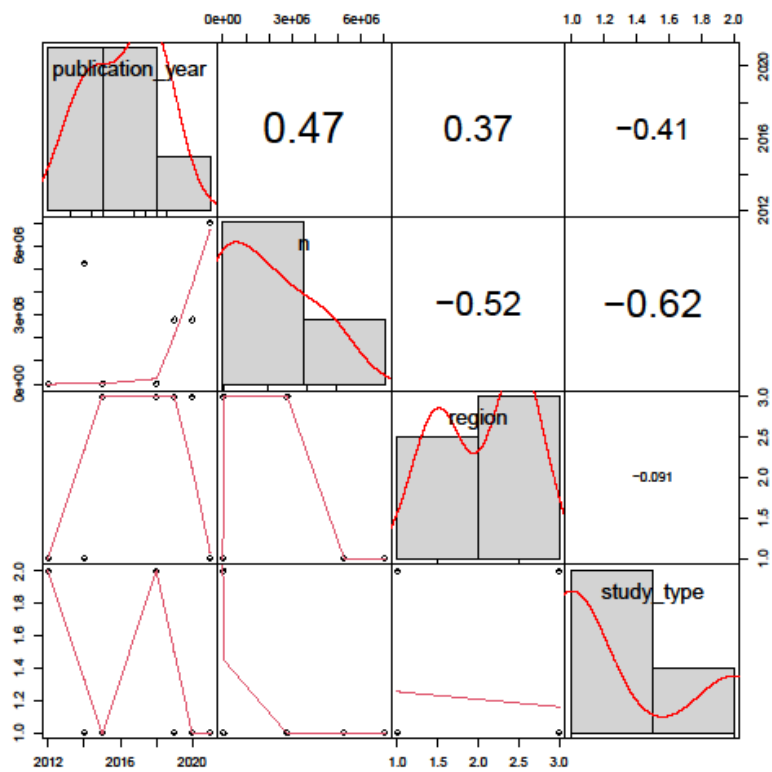
## Cancer



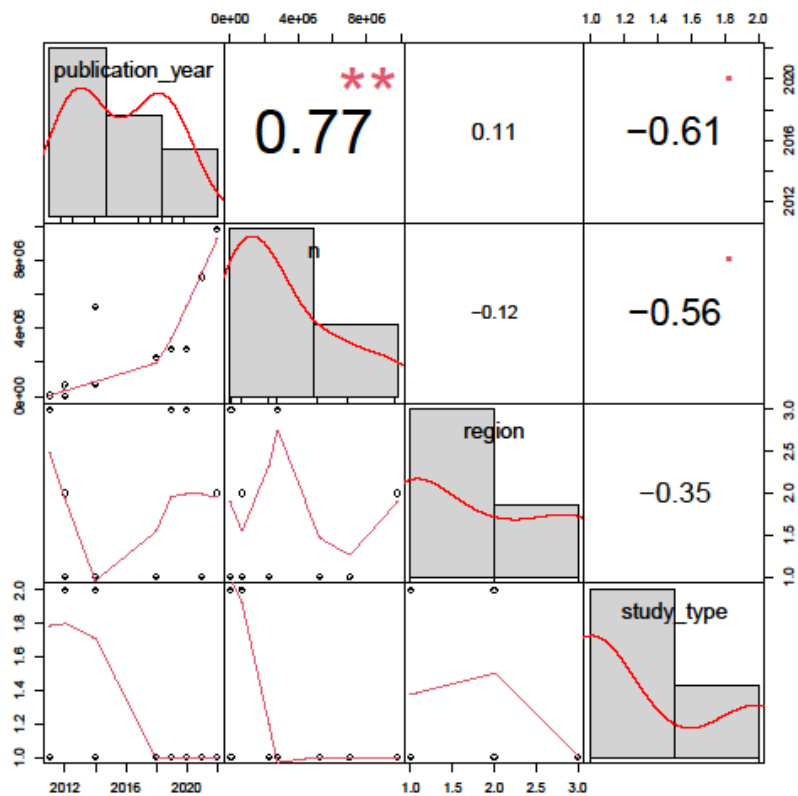
## Cardiovascular disorders



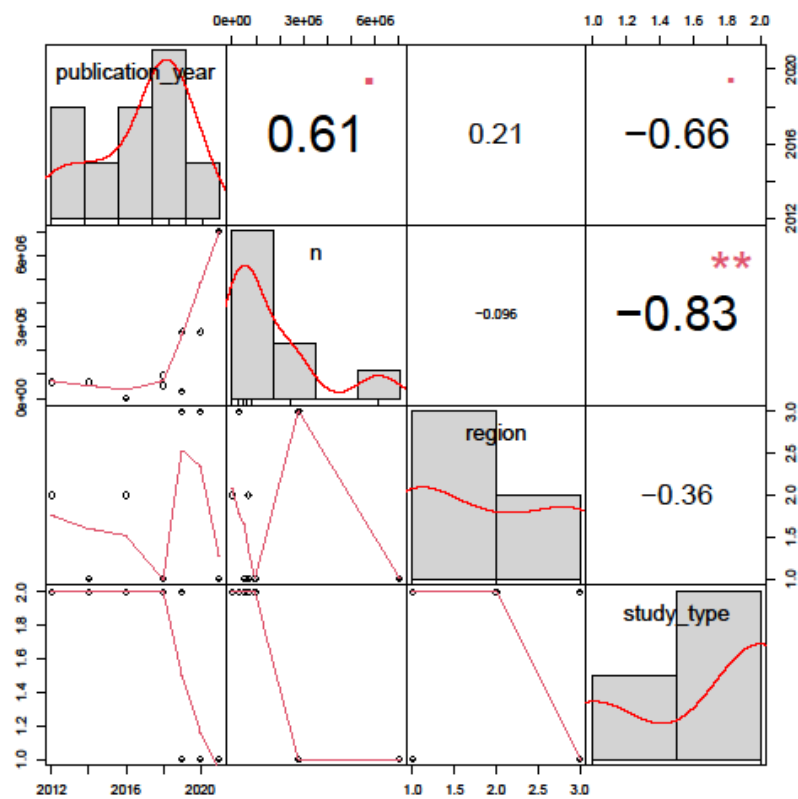
CHF



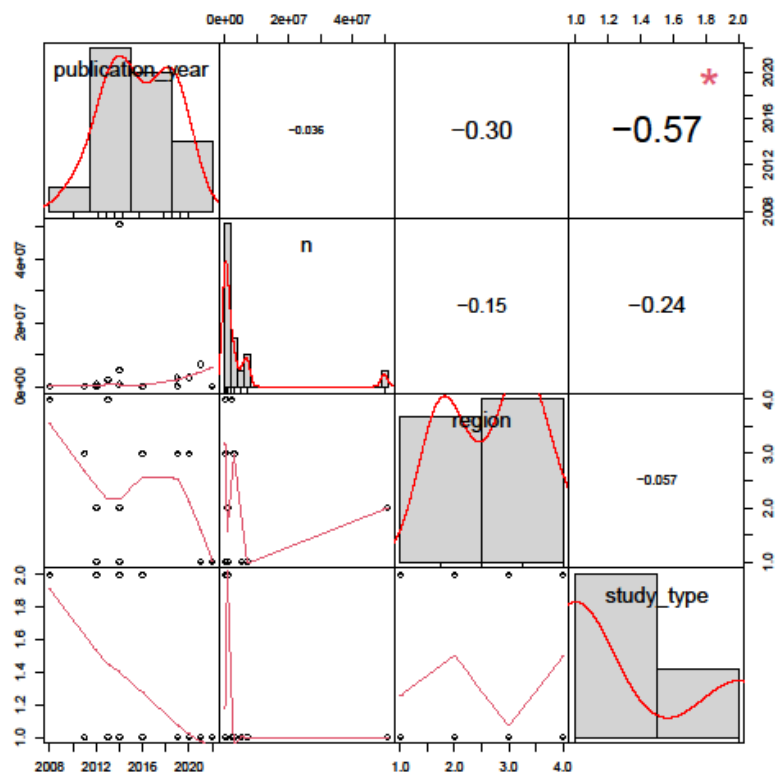
COPD



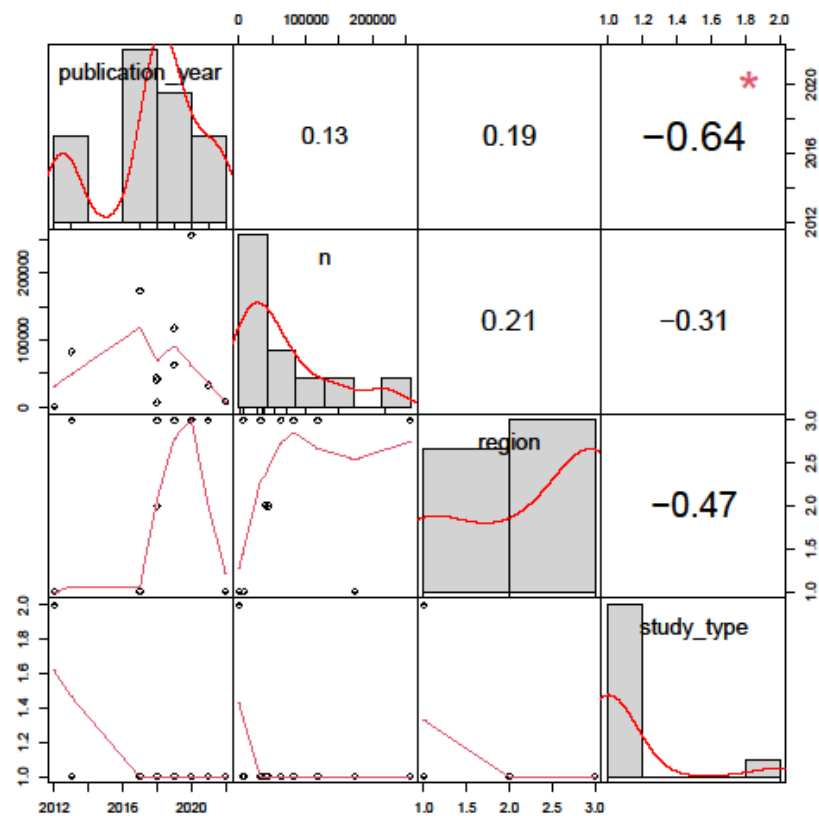
## Depression



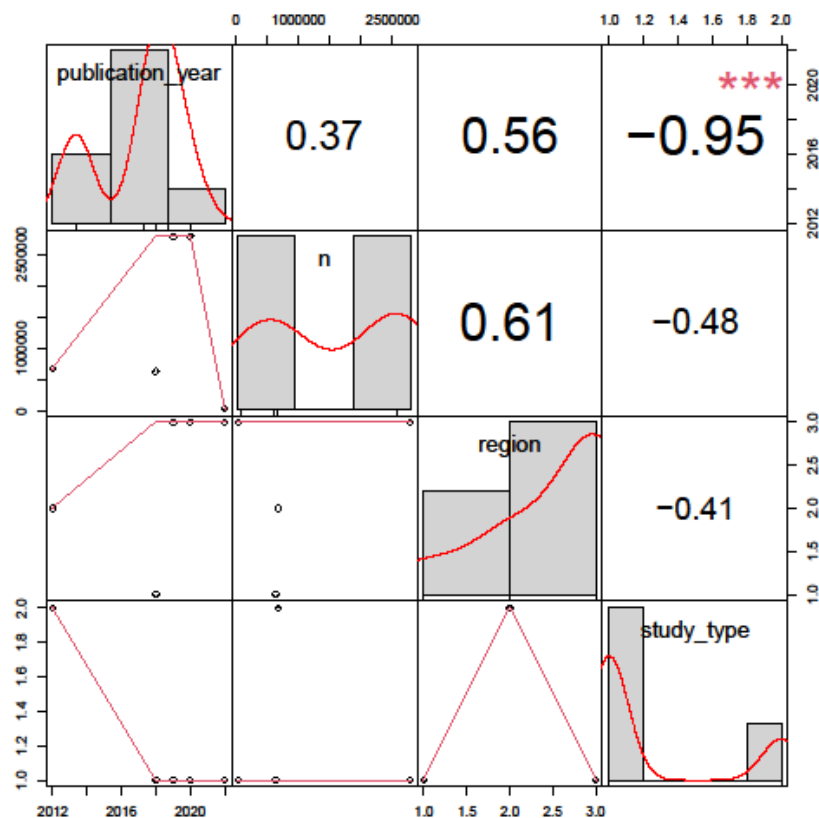
## Diabetes



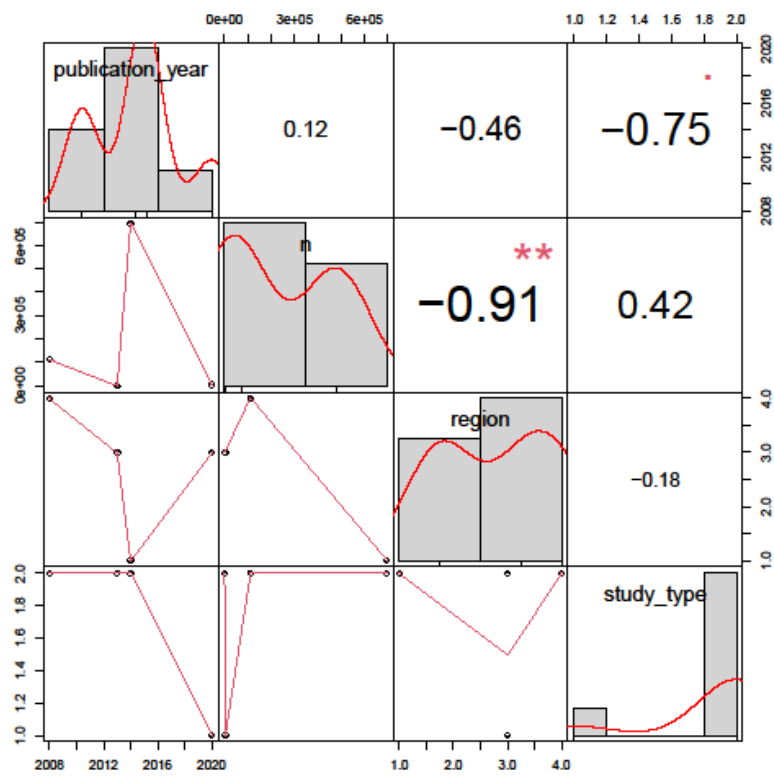
## Digestive disorders



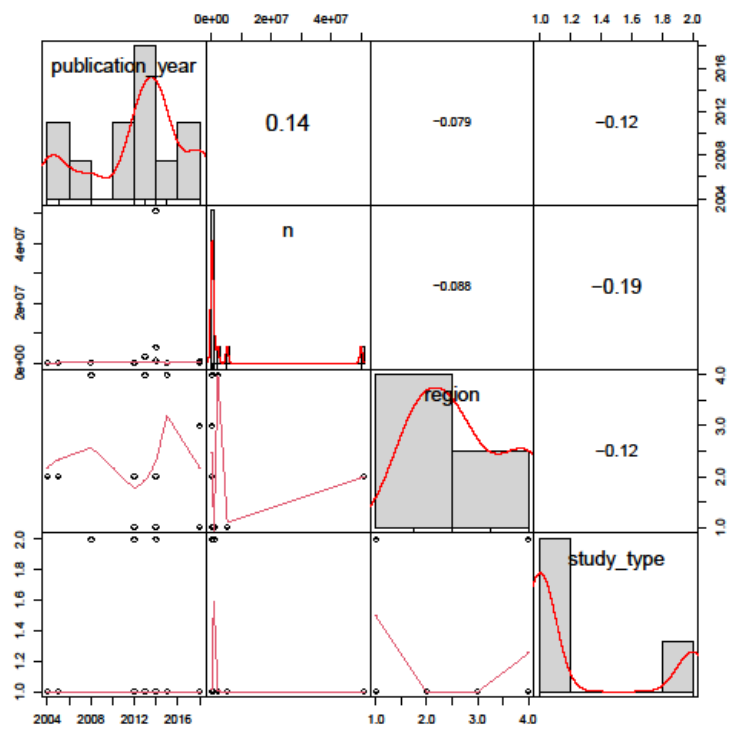
## Endocrine and metabolic disorders



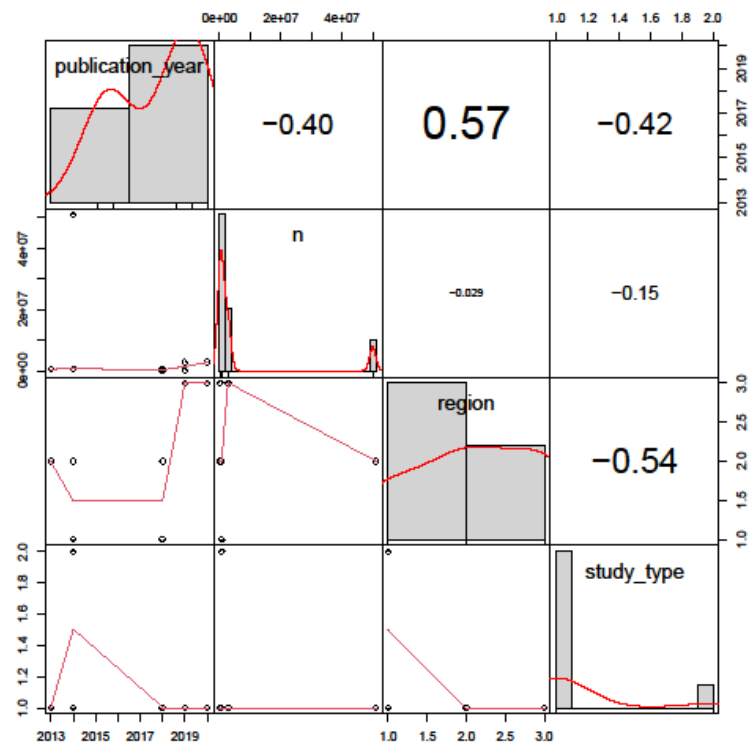
## Hematological disorders



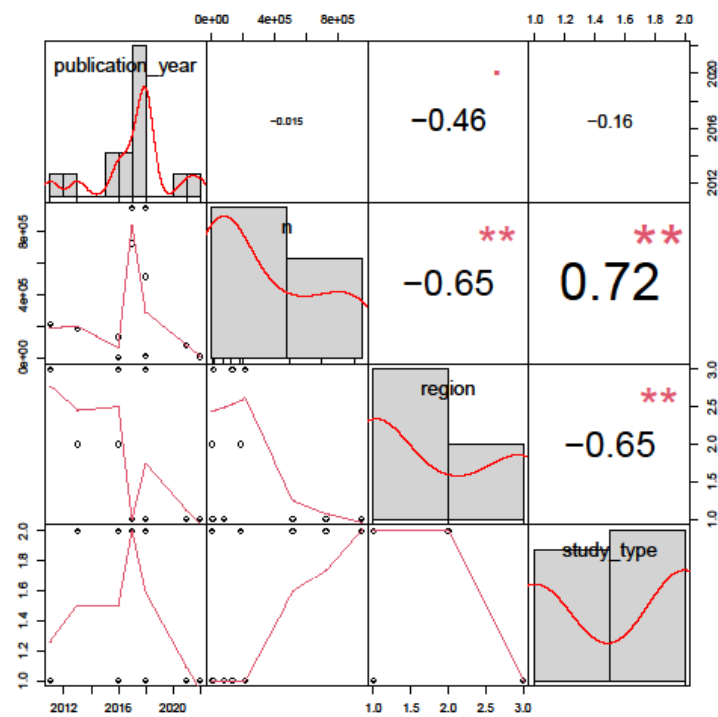
## HIV



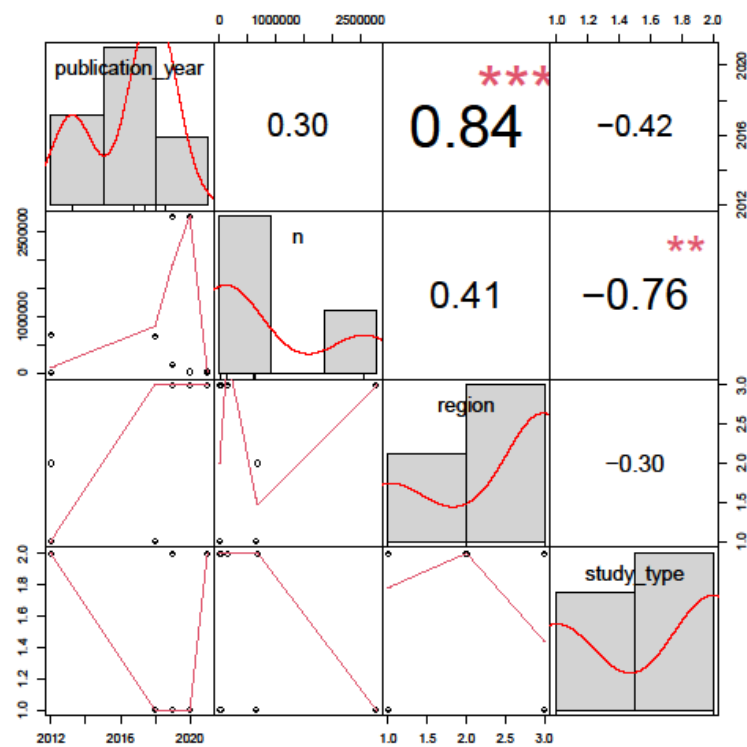
## IBD



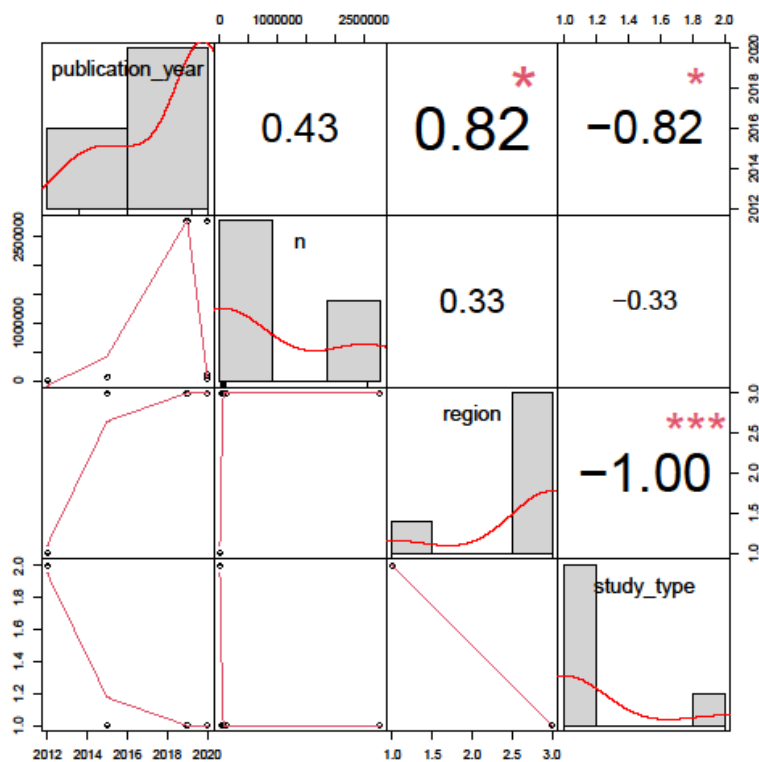
## Mental health condition



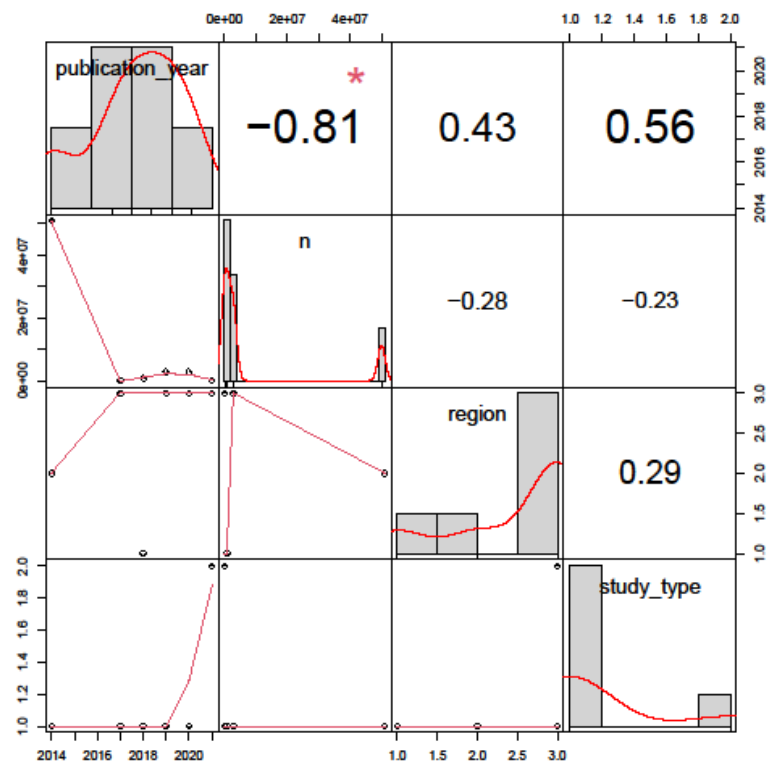
## Musculoskeletal disorders



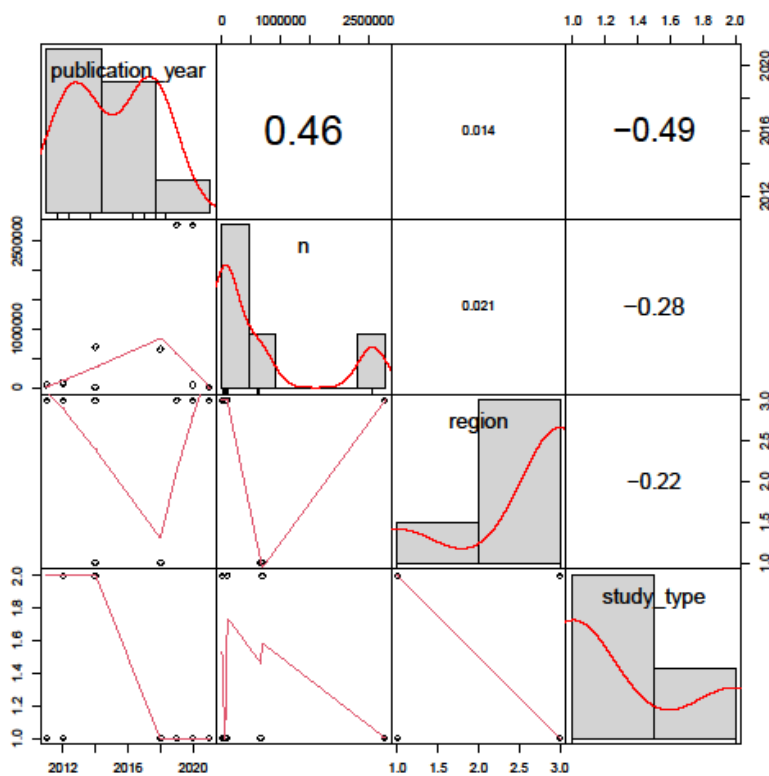
## Neurological disorders



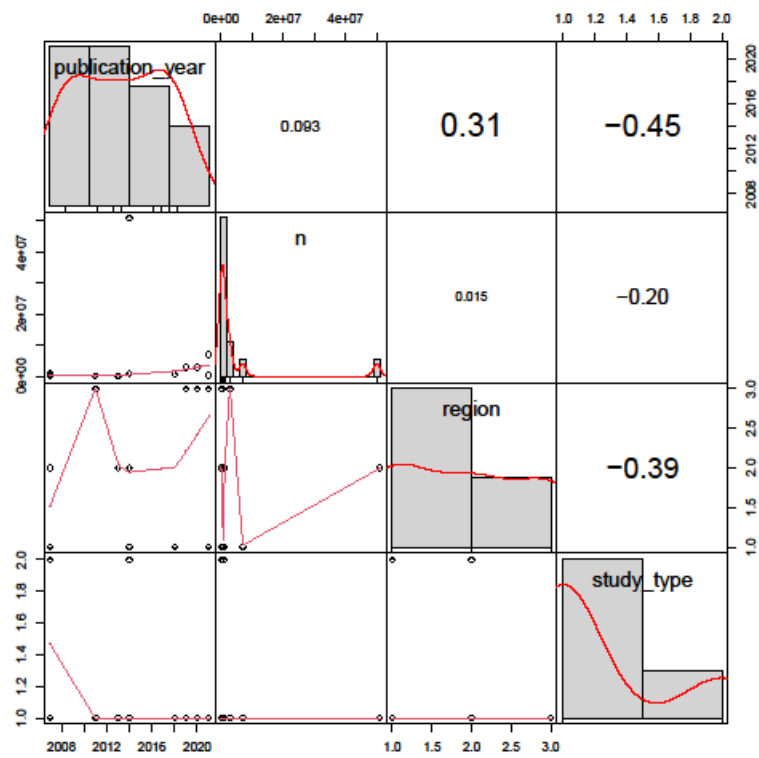
## Psoriasis



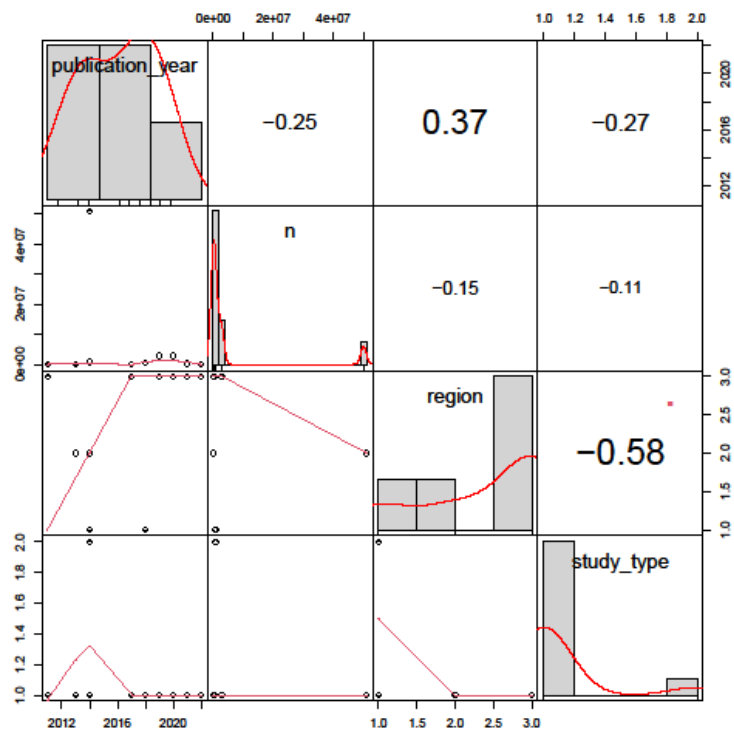
## Renal disorders



RA



SLE



## Transplantation

