### MASARYKOVA UNIVERZITA

PŘÍRODOVĚDECKÁ FAKULTA

# Graph-based modelling of spatial distribution of lymphocytes

Bakalářská práce

**ANETA BÖHMOVÁ** 

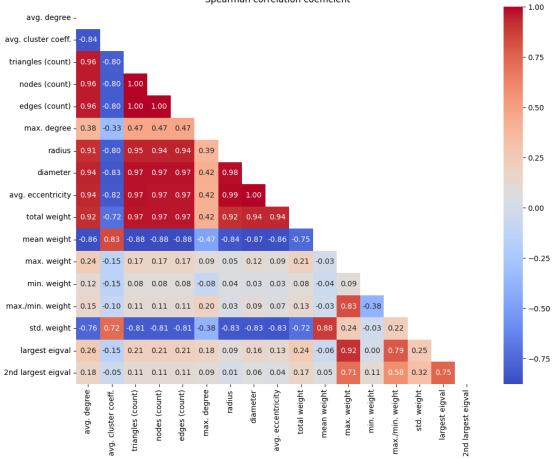
Vedoucí práce: doc. Ing. Vlad Popovici, PhD

RECETOX
Program Matematická biologie a biomedicína

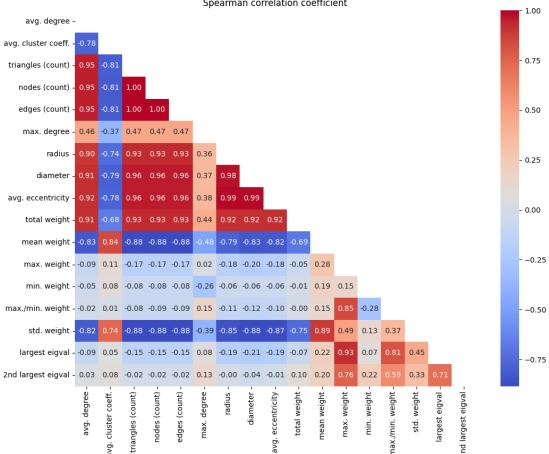
Brno 2024

## **Correlation matrices**

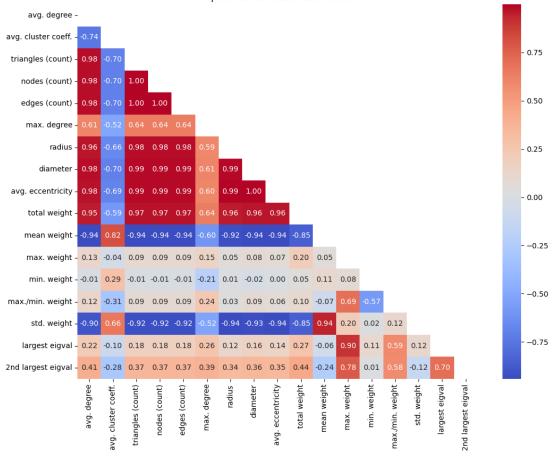
#### Correlation Matrix - CD8 positive cells Graph: Delaunay Spearman correlation coefficient



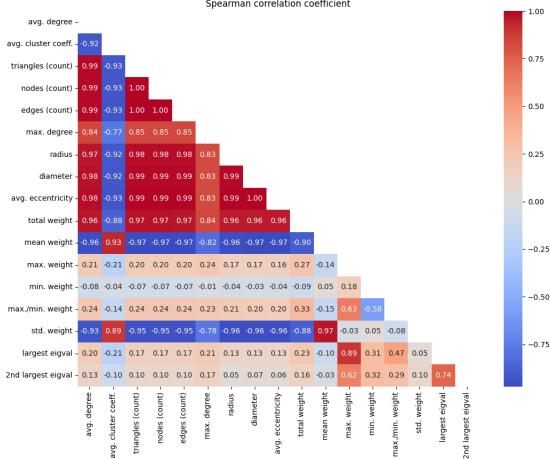
#### Correlation Matrix - CD3 positive cells Graph: Delaunay Spearman correlation coefficient



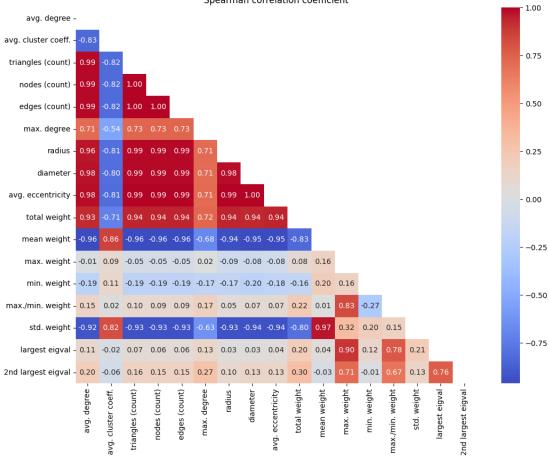
#### Correlation Matrix - CD45RO positive cells Graph: Delaunay Spearman correlation coefficient



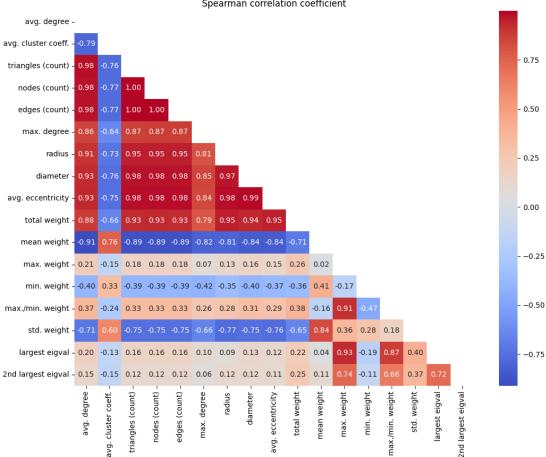




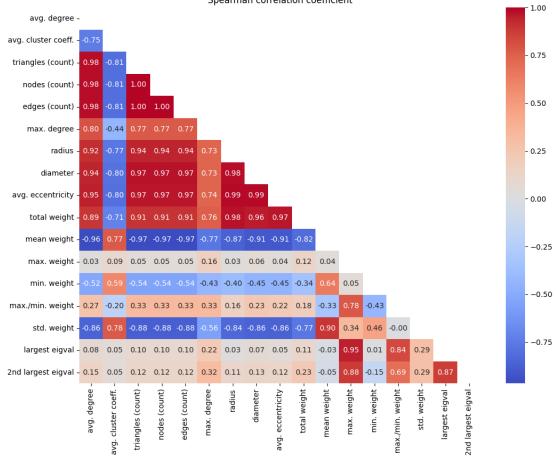
#### Correlation Matrix - FOXP3 positive cells Graph: Delaunay Spearman correlation coefficient

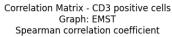


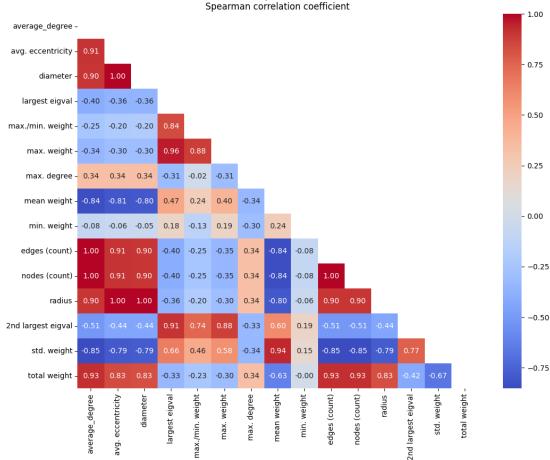
#### Correlation Matrix - PD1 positive cells Graph: Delaunay Spearman correlation coefficient



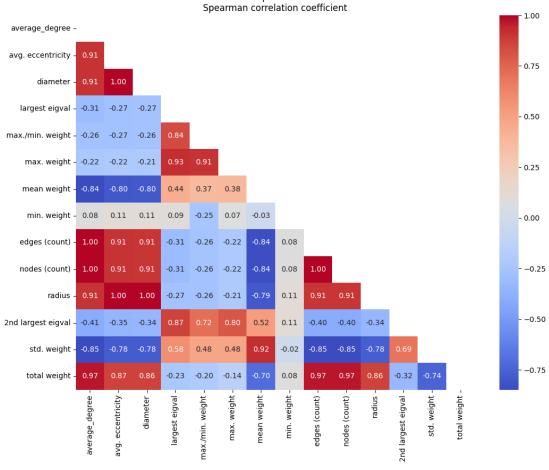
#### Correlation Matrix - PDL1 positive cells Graph: Delaunay Spearman correlation coefficient

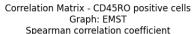


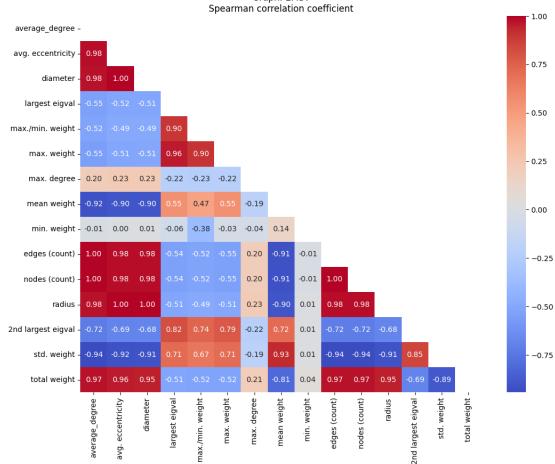




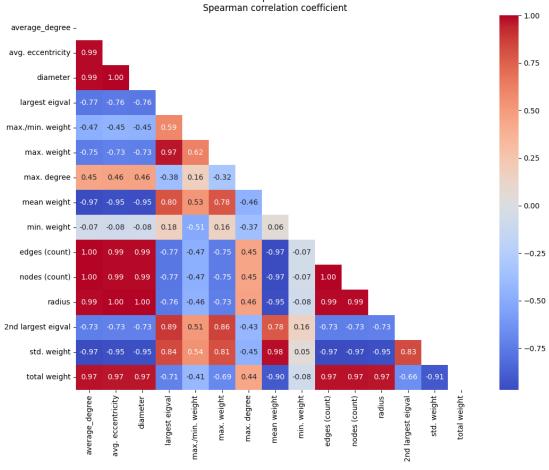
#### Correlation Matrix - CD8 positive cells Graph: EMST

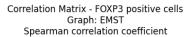


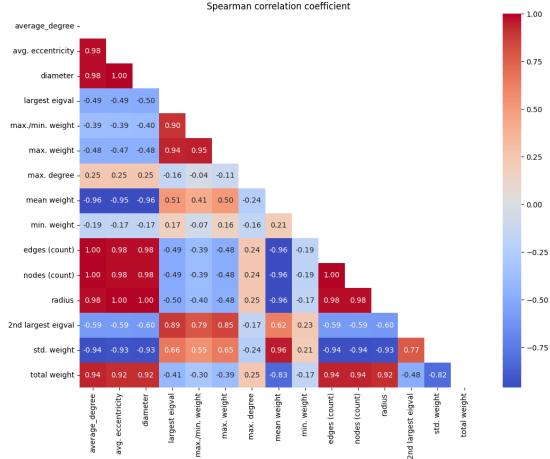




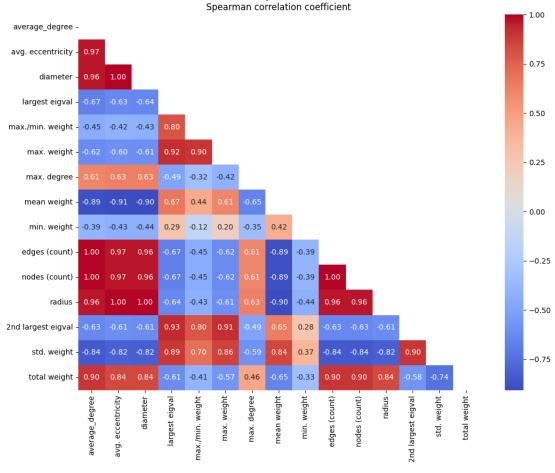
#### Correlation Matrix - CD68 positive cells Graph: EMST

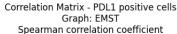


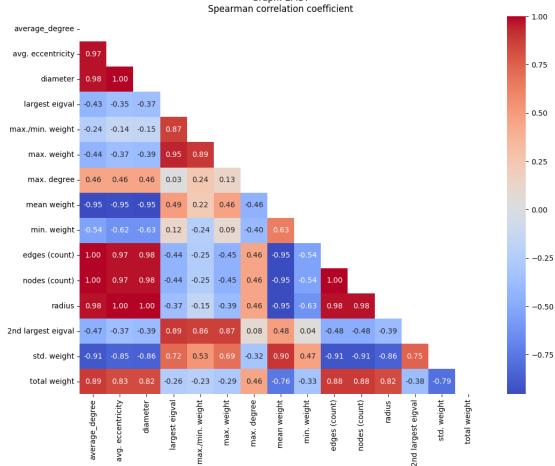




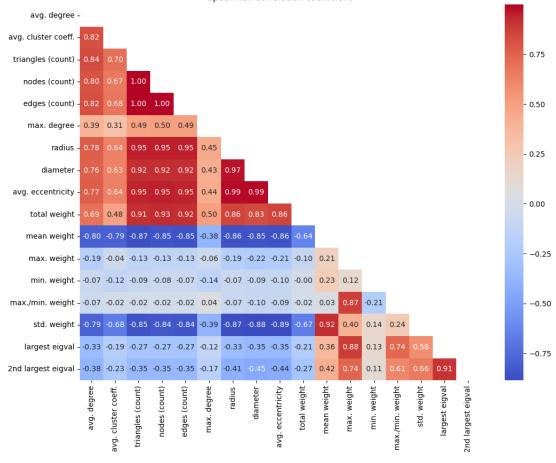
#### Correlation Matrix - PD1 positive cells Graph: EMST



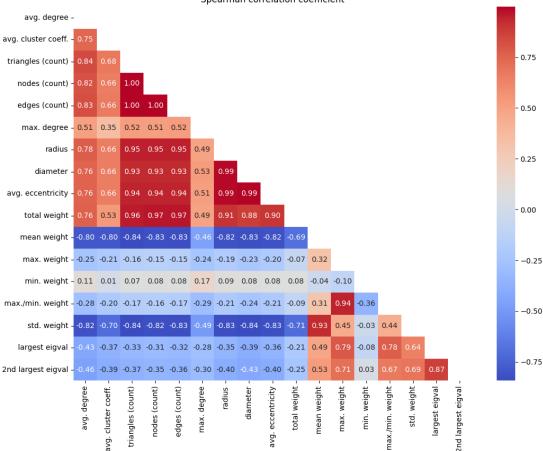




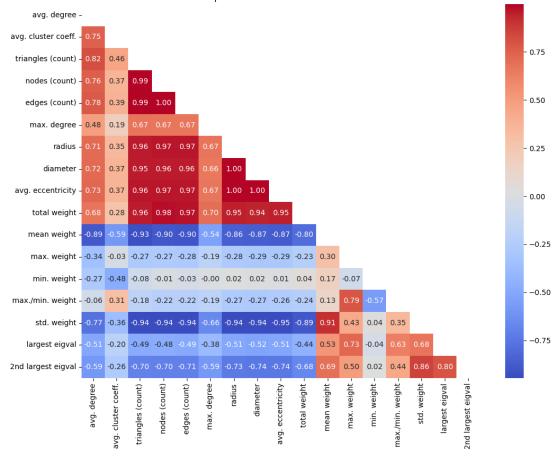
#### Correlation Matrix - CD3 positive cells Graph: Gabriel Spearman correlation coefficient



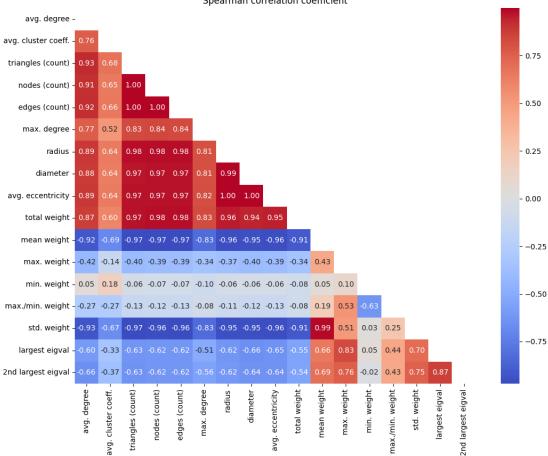
Correlation Matrix - CD8 positive cells Graph: Gabriel Spearman correlation coefficient



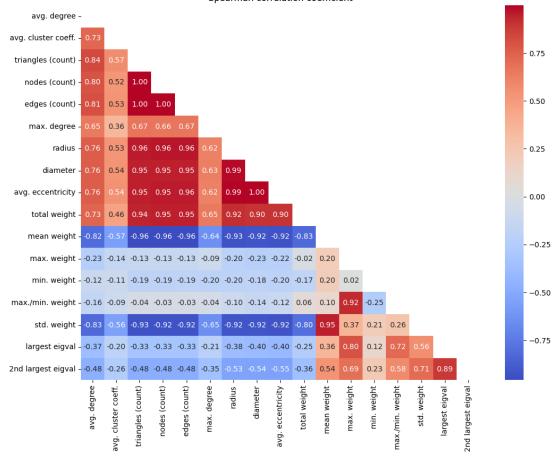
#### Correlation Matrix - CD45RO positive cells Graph: Gabriel Spearman correlation coefficient



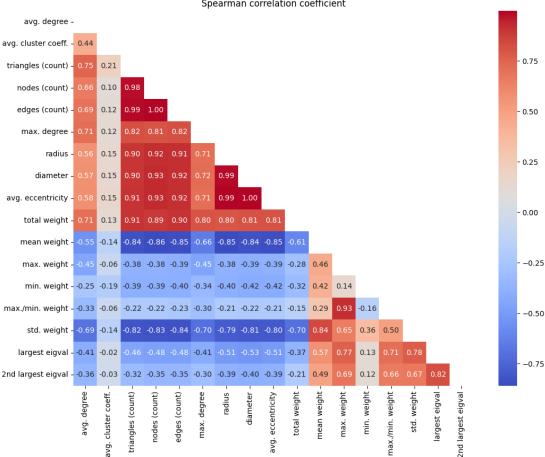
Correlation Matrix - CD68 positive cells Graph: Gabriel Spearman correlation coefficient



#### Correlation Matrix - FOXP3 positive cells Graph: Gabriel Spearman correlation coefficient



Correlation Matrix - PD1 positive cells Graph: Gabriel Spearman correlation coefficient



#### Correlation Matrix - PDL1 positive cells Graph: Gabriel Spearman correlation coefficient

