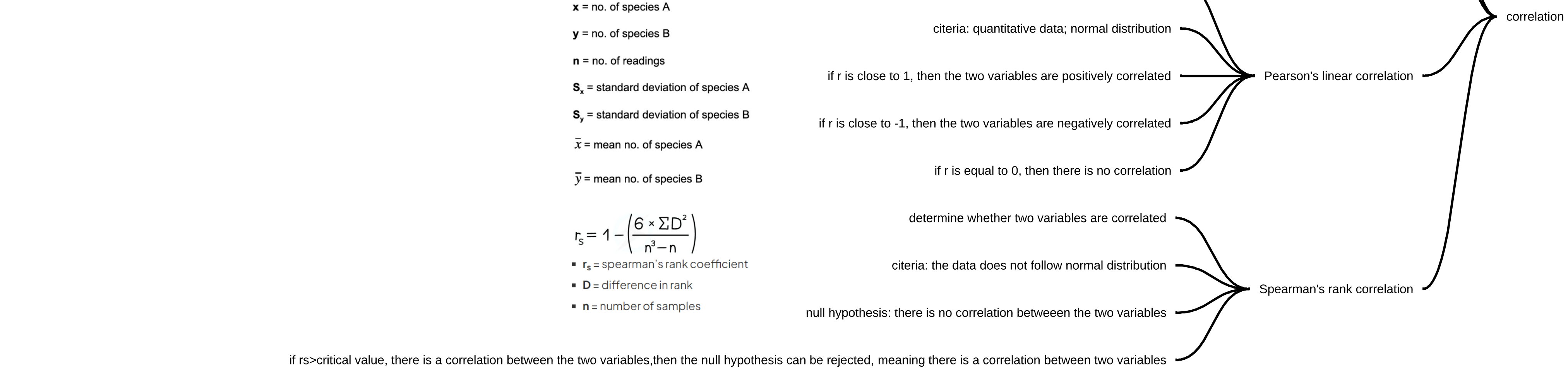
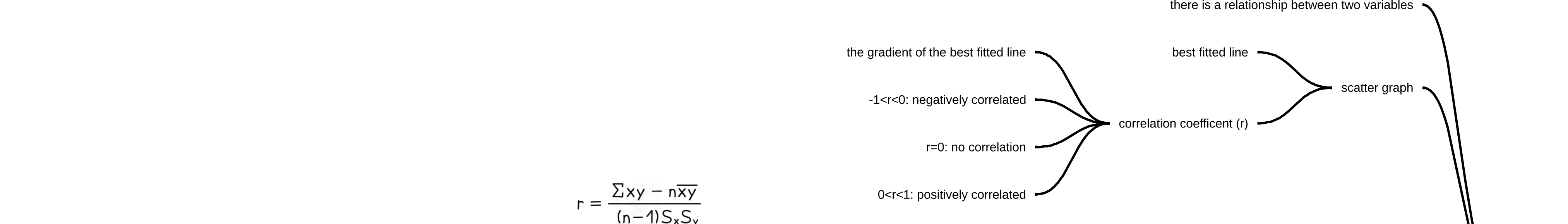
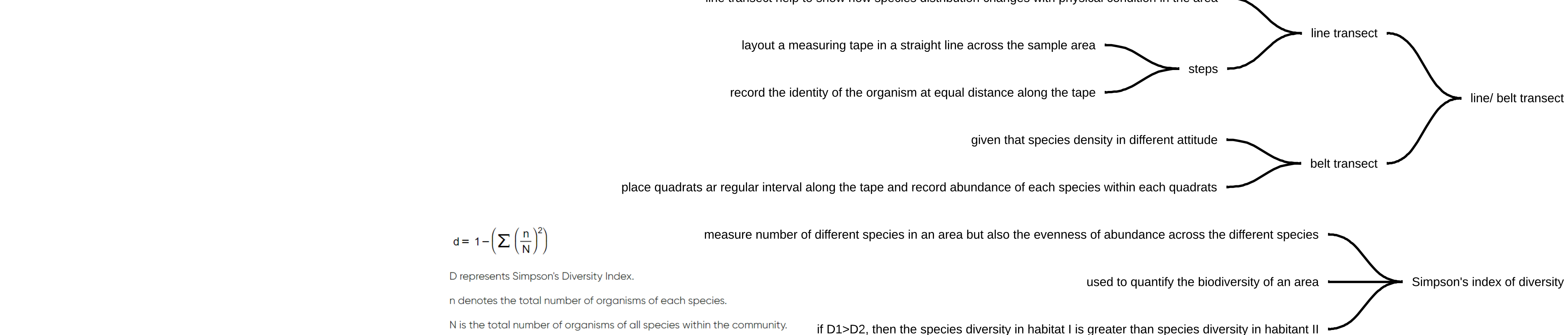
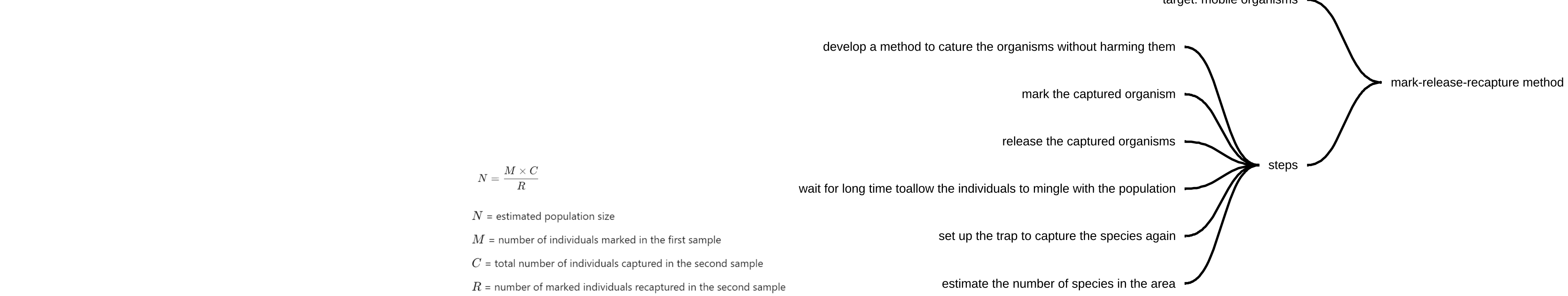
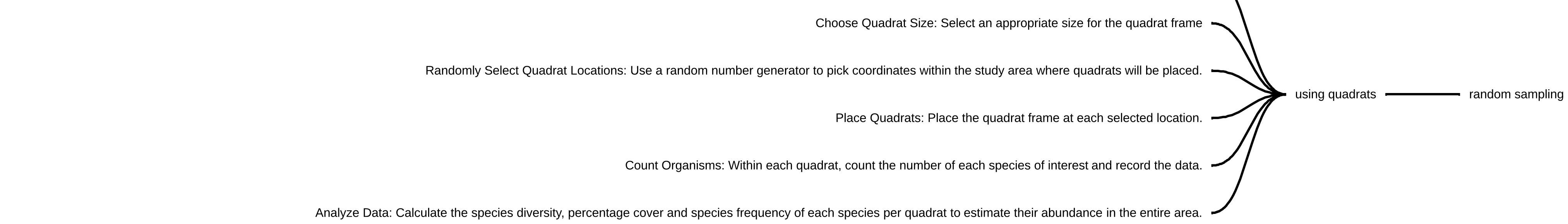
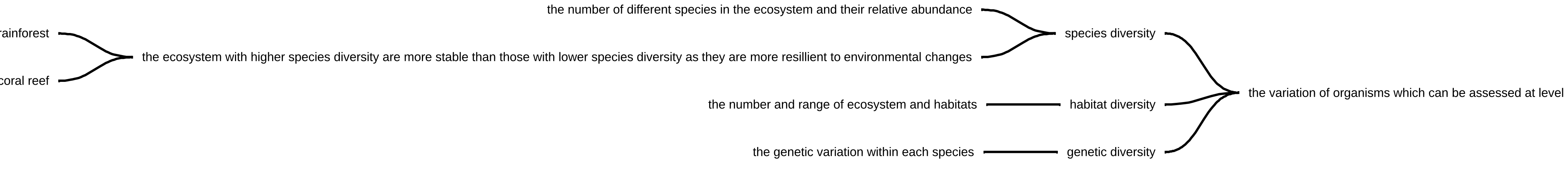
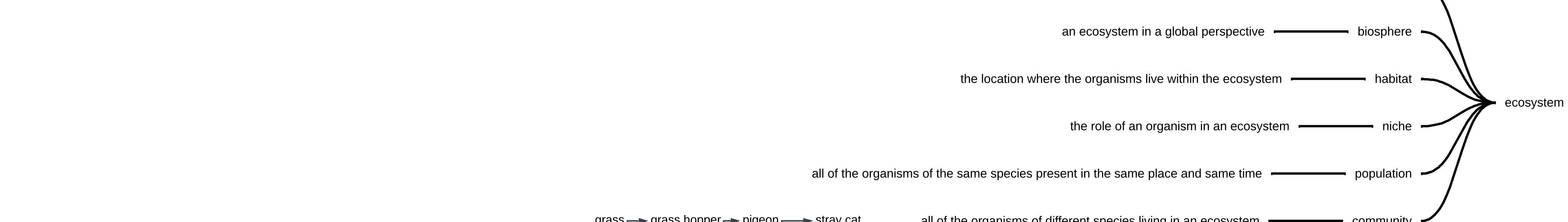
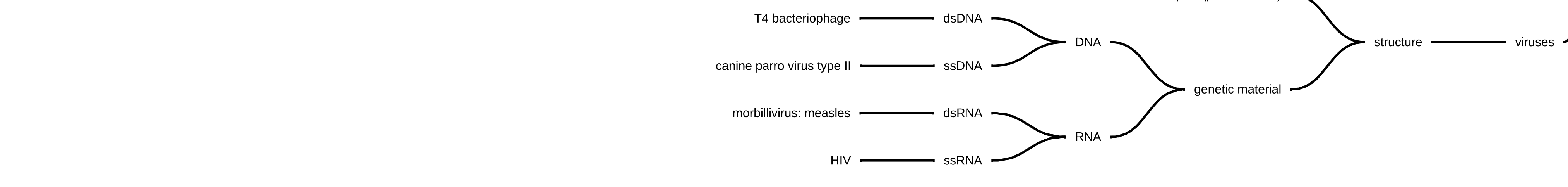
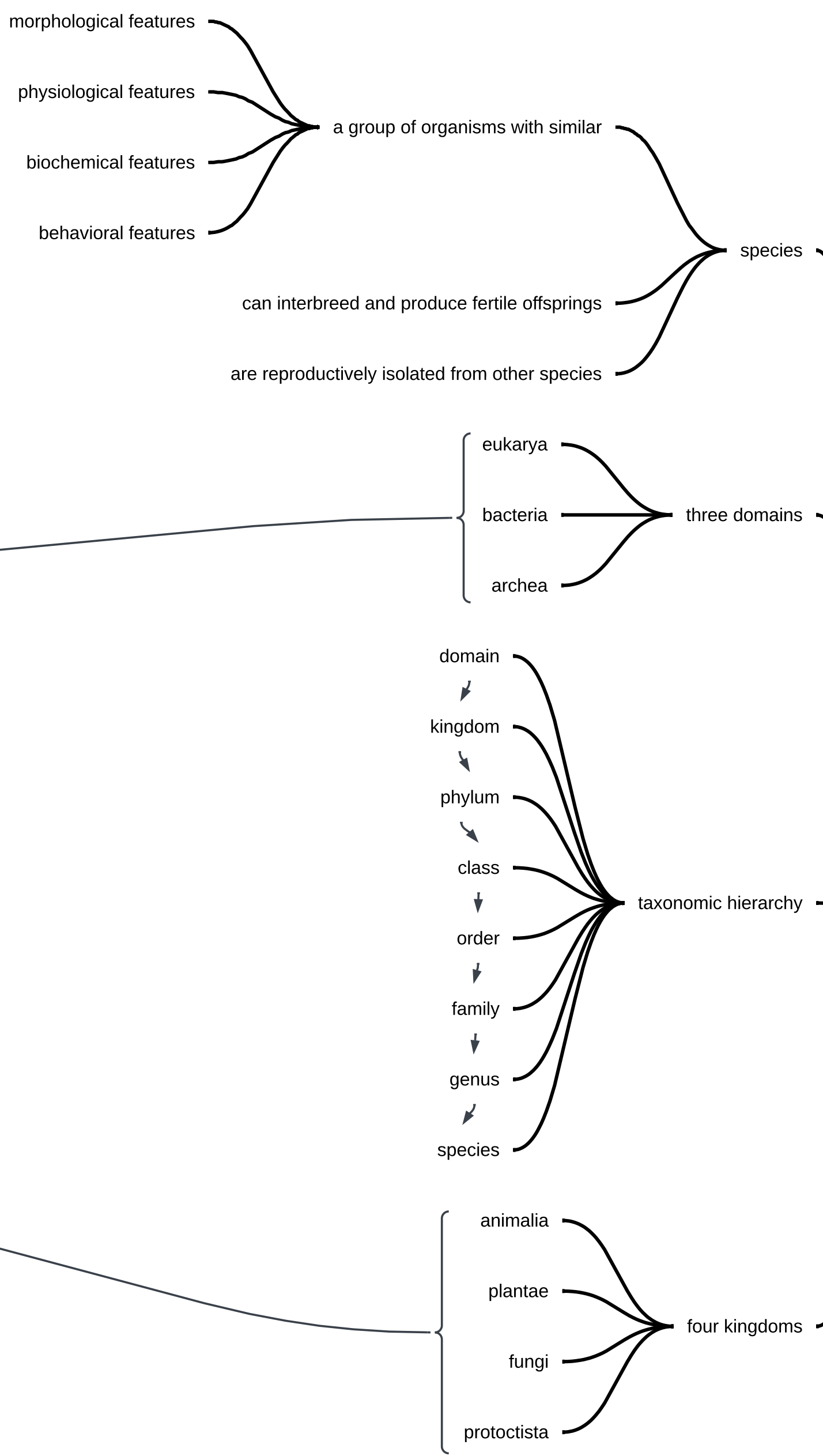


	eukarya	bacteria	archaea
nucleus	nucleus presents	no nucleus	no nucleus
DNA arrangement	linear chromosomes with histone proteins	circular DNA without histone proteins	circular chromosomes with histone proteins
plasmid	chloroplast and mtDNA is circular	plasmids often present in cytoplasm	plasmids often present in cytoplasm
ribosome	80s ribosomes in cytosol; 70s ribosomes in chloroplast and mitochondria	70s ribosomes in cytosol	70s ribosomes, small subunits similar to eukaryotic ribosomes, base sequence of rRNA and primary structure of ribosomal protein is similar to eukaryotic ones
cell wall	in plants: cellulose; in fungi: chitin	always present: peptidoglycan	always present but do not contain peptidoglycan
cell division	cell divides by mitosis	cell divides by binary fission	cell divides by binary fission
organelles	contain membrane bound structures: RER, SER, Golgi body, mitochondria, chloroplast, lysosome, centrosome, microtubule	no membrane bound structure	no membrane bound structure
organization	multicellular and unicellular colonies	unicellular, small groups of cells (blue algae)	unicellular, small groups of cells
reproduction	asexual reproduction (yeast) and sexual reproduction (gametes)	asexual reproduction	asexual reproduction
membrane	made of phospholipid	made of phospholipid	membrane lipids are unique, they are different from prokaryotes and bacteria

	Animalia	Plantae	Fungi	Protocista
organization	multicellular higher level of differentiation	multicellular higher level of differentiation	unicellular (yeast) multicellular	mostly unicellular small groups of cells
cell wall	not present	present, made of cellulose	present, made of chitin	some present (algae)
cilia& flagella	some present (ciliated cell, sperm)	some present (male gametes in fern contains flagella)	not present	always present
chloroplast	not present	present	not present	some present (algae)
nutrition	heterotrophic	autotrophic	heterotrophic	heterotrophic, autotrophic (algae)
reproduction	sexual reproduction	asexual, sexual	asexual, sexual	asexual, sexual



if rs-critical value, there is a correlation between the two variables, then the null hypothesis can be rejected, meaning there is a correlation between two variables

## Classification, Biodiversity and Conservation

### Conservation

