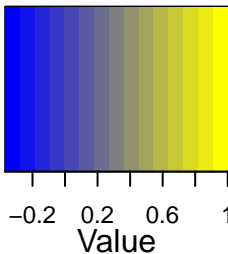


A heatmap visualization of the correlation matrix for the 100 variables. The x and y axes are labeled with the variable names, which are ordered according to hierarchical clustering. Dendrograms are present on the top and left sides of the heatmap, showing the hierarchical structure of the variables. The diagonal of the matrix is highlighted in yellow, indicating a correlation of 1.0 for all variables. The matrix is symmetric, and the colors represent the strength of the correlation, with yellow indicating high positive correlation and blue indicating low or negative correlation.

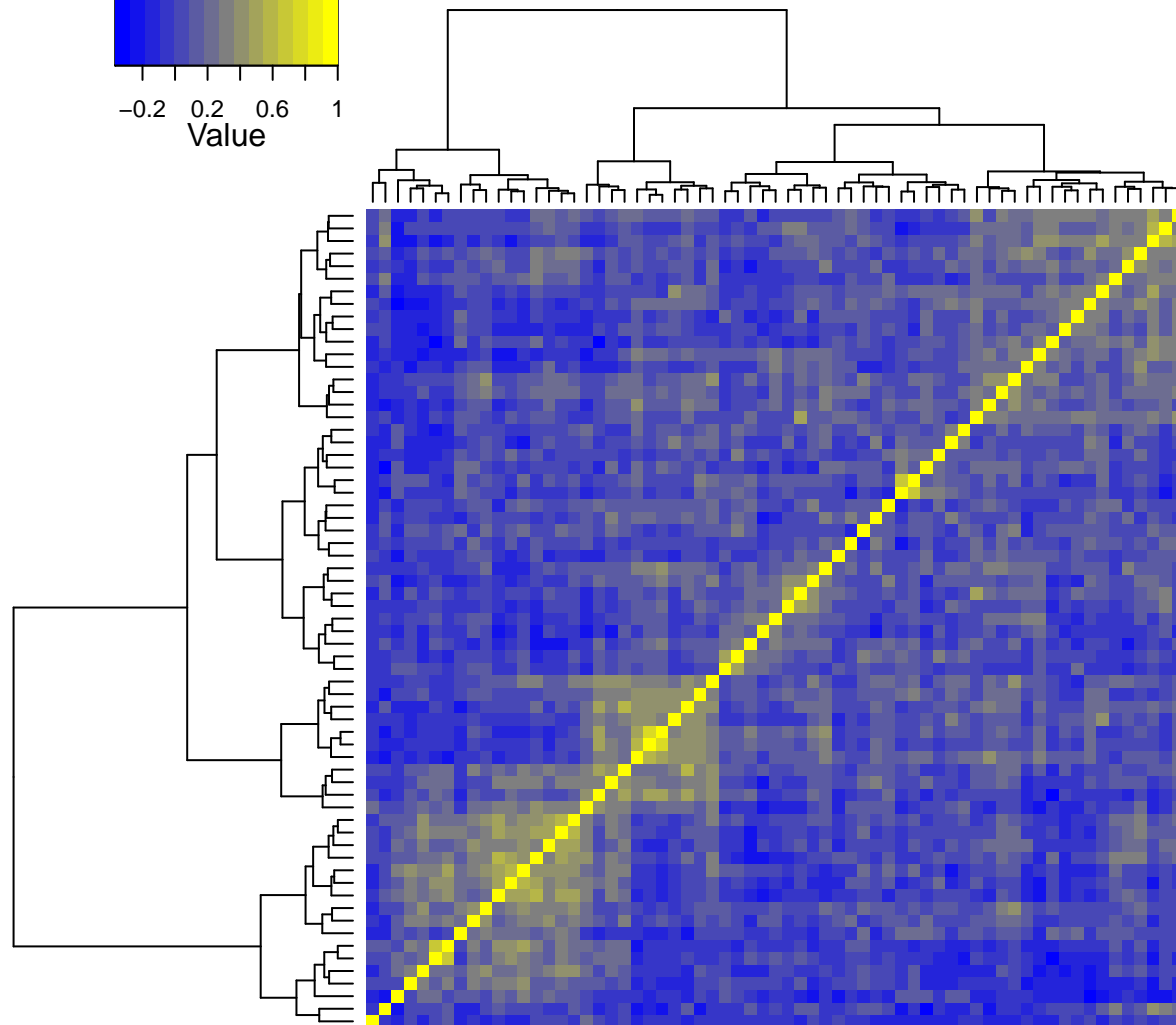
Celiac disease and
Altrial fibrillation
Information processing
Sarcopenia
Lipoprotein associate
LDL cholesterol
Urate levels
Smoking behavior
Triglycerides
Cholesterol total
ApoB protein levels
Obesity related traits
Hypertension
Systemic lupus
Breast cancer
Airflow obstruction
Stroke
Response to hepatitis
Telomere length
Attention deficit hyper
Fibrosis type
Fcell distribution
Post-traumatic stress
Economic and political
Economic related
Word reading
Liver enzyme levels
Lipid metabolism ph
Chronic kidney dise
Dialysis related mor
Fasting glucose relat
Sudden cardiac ar
Coronary heart dise
HDL cholesterol
Endothelial volum
HDL cholesterol
Primary tooth devel
Mean corpuscular v
Thyroid hormone lev
Hemoglobin
PR interval
Ventricular conduct
Systolic blood press
Platelet counts
Hematological param
Chronic lymphocytic
End stage biomarker
ron status biomarker
Protein quantitative
Type 1 diabetes auto
Inflammatory bowel
Lipid metabolism
Bone mineral densit
Multiple sclerosis
Sarcopenia
Systemic lupus eryth
Height

[illegible]

Color Key



Dist : manhattan ; Hclust : ward



Colorectal_cancer
Lipid_metabolism_ph
Liver_enzyme_levels
Chronic_kidney_disea
Dialysis.related_mor
Mean_platelet_volum
Fasting_glucose.relat
Prostate_cancer
Coronary_heart_disea
Endometriosis
Sudden_cardiac_arre
Urate_levels
Smoking_behavior
Celiac_disease_and
Atrial_fibrillation
Information_processing
Lipoprotein.associat
Renal_function.relate
Word_reading
Hair_morphology
Posttraumatic_stress
Attention_deficit_hype
Attention_deficit_hype
Airflow_obstruction
F_cell_distribution
Systemic_lupus_eryth
Breast_size
Economic_and_politic
Alzheimers_disease_
Triglycerides
LDL_cholesterol
Cholesterol_total
Adiponectin_levels
Obesity.related_traits
Metabolite_levels
Response_to_hepatiti
Telomere_length
Platelet_counts
Glycated_hemoglobin
Mean_corpuscular_vo
Thyroid_hormone_lev
PR_interval
Ventricular_conductio
Systolic_blood_press
Mean_corpuscular_vo
Hematological_param
Red_blood_cell_traits
Hematology_traits
Chronic_lymphocytic
End_stage_coagulatio
Iron_status_biomarke
Type_1_diabetes_aut
Inflammatory_bowel_
Ulcerative_colitis
Type_1_diabetes
Celiac_disease
Protein_quantitative_t
Breast_cancer
Bone_mineral_density
Bone_mineral_density
Multiple_sclerosis
Systemic_lupus_eryth
Height
HDL_cholesterol
Primary_tooth_develo

A heatmap visualization of a distance matrix. The top of the image features a dendrogram showing the hierarchical clustering of the data points. The main body of the image is a square heatmap where each cell's color represents a distance value. The diagonal of the matrix is bright yellow, indicating a distance of zero for self-comparisons. The rest of the matrix is predominantly blue, with some lighter blue and greenish-yellow patches indicating varying degrees of similarity between different clusters. The overall pattern shows a clear separation between a small cluster on the left and a larger, more complex cluster on the right.

Celiac disease and Atrial_fibrillation
Information_processing
Insulin
Lipoprotein_associated
LDL_cholesterol
Urea_levels
Smoking_behavior
Trombolytic_treatments
Cholesterol_total
Adiponectin_levels
Obesity_related_traits
Osteoporosis
Systemic_lymphocytes
Breast_cancer
Airflow_obstruction
Hypertension
Response_to_hepatitis
Telomere_length
Attention_deficit_hyperactivity_disorder
Fatty_liver_disease
F_cell_distribution
Brain_size
Post-traumatic_stress
Economic_and_political
Dietary_intake_related
World_reading
Liver_enzyme_levels
Lipid_metalloprotein_phospholipase
Chronic_kidney_disease
Dialysis_related_mortality
Fasting_glycemia_related
Hypertension
Sudden_cardiac_arrest
Coronary_heart_disease
Endometriosis
Total_cholesterol_volume
HDL_cholesterol
Primary_tumor_development
Mean_corpuscular_volume
Thyroid_hormone_level
Hemoglobin_anemia
PR_interval
Ventricular_conduction
Systolic_blood_pressure
Hematological_parameters
Chronic_lymphocytic
End-stage_coagulation
Iron_status_biomarkers
Lipid_levels
Protein_quantitative
Type_1_diabetes_autoantibodies
Type_1_diabetes
Inflammatory_bowel_disease
Lipid_levels
Bone_mineral_density
Bone_mineral_density
Multiple_sclerosis
Systemic_lymphocytes
Height

[illegible]

A heatmap visualization of a distance matrix. The x and y axes are labeled with 100 small, illegible text labels. A dendrogram is positioned at the top of the heatmap, showing the hierarchical clustering of these labels. The heatmap itself is a square grid where each cell's color represents a value. The diagonal is bright yellow, indicating zero distance. The overall pattern shows a block-like structure, suggesting clusters of similar items. The colors transition from yellow at the diagonal to green and then to dark blue for higher distance values.

Atrial fibrillation
 Alzheimers disease
 Celiac disease and
 celiac sprue
 Smoking behavior
 Adiponectin levels
 Urate levels
 Psychiatric related traits
 Lipoprotein associated
 LDL cholesterol
 Economics and politics
 Risk factors
 Cholesterol total
 Response to hepatitis
 Telomere length
 Metabolic levels
 Hemoglobin erythrocyte
 Renal function related
 Airflow obstruction
 Hair morphology
 Hemoglobin type
 Attention deficit hyperactivity
 Breast cancer
 Post-traumatic stress disorder
 Liver enzyme levels
 Lipid metabolism phenotypes
 Colorectal cancer
 Stenosed cardiac aorta
 Hemoglobin volume
 HDL cholesterol
 Chronic kidney disease
 Dialysis related mortality
 Hemoglobin
 Endometriosis
 Coronary heart disease
 Fasting glucose related
 Hemoglobin levels
 Cell distribution
 Word reading
 Breast size
 Mean corpuscular volume
 Red blood cell traits
 Platelet counts
 Hematological parameters
 Hemoglobin traits
 PR interval
 Ventricular conduction
 Systolic blood pressure
 Type 1 diabetes autoantibodies
 Type 1 diabetes
 Inflammatory bowel disease
 Hemoglobin
 Chronic lymphocytic leukemia
 End stage coagulation
 Iron status biomarkers
 Celiac disease
 Hemoglobin
 Multiple sclerosis
 Systemic lupus erythematosus
 Bone mineral density
 Hemoglobin
 Primary tooth development

[illegible]