K2_score = -6687.33

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FA3C31790>, <function single_edge_mutation at 0x0000020FA3C31700>]
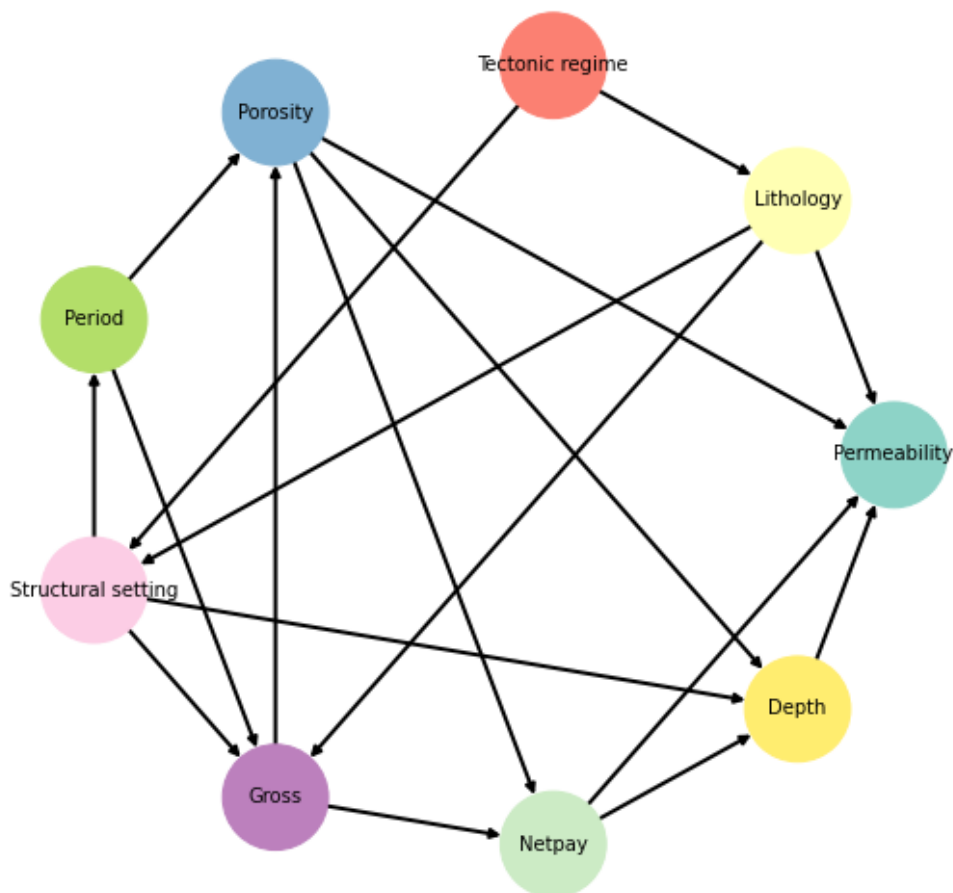crossover_types = [<function custom_crossover at 0x0000020FA3C315E0>]
stopping_after_n_generation = 10
actual_generation_num = 24
Nodes: [Permeability, Lithology, Tectonic regime, Porosity, Period, Structural setting, Gross, Netpay, Depth]
Edges: [('Lithology', 'Permeability'), ('Lithology', 'Structural setting'), ('Lithology', 'Gross'), ('Tectonic regime', 'Lithology'), ('Tectonic regime', 'Structural setting'), ('Porosity', 'Permeability'), ('Porosity', 'Netpay'), ('Porosity', 'Depth'), ('Period', 'Porosity'), ('Period', 'Gross'), ('Structural setting', 'Period'), ('Structural setting', 'Gross'), ('Structural setting', 'Depth'), ('Gross', 'Porosity'), ('Gross', 'Netpay'), ('Netpay', 'Permeability'), ('Netpay', 'Depth'), ('Depth', 'Permeability')]

Current graph

Bic_score = -381248.29

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FA3C31790>, <function single_edge_mutation at 0x0000020FA3C31700>]
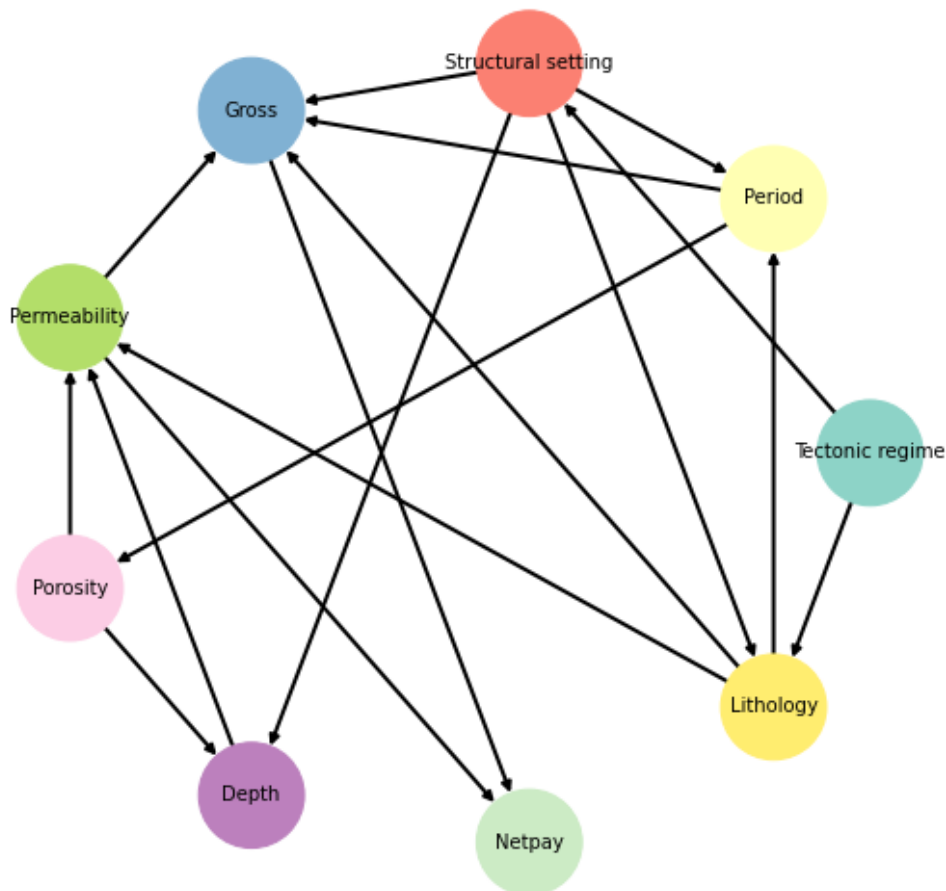crossover_types = [<function custom_crossover at 0x0000020FA3C315E0>]
stopping_after_n_generation = 10
actual_generation_num = 21
Nodes: [Tectonic regime, Period, Structural setting, Gross, Permeability, Porosity, Depth, Netpay, Lithology]
Edges: [('Tectonic regime', 'Structural setting'), ('Tectonic regime', 'Lithology'), ('Period', 'Gross'), ('Period', 'Porosity'), ('Structural setting', 'Period'), ('Structural setting', 'Gross'), ('Structural setting', 'Depth'), ('Structural setting', 'Lithology'), ('Gross', 'Netpay'), ('Permeability', 'Gross'), ('Permeability', 'Netpay'), ('Porosity', 'Permeability'), ('Porosity', 'Depth'), ('Depth', 'Permeability'), ('Lithology', 'Period'), ('Lithology', 'Gross'), ('Lithology', 'Permeability')]

Current graph

BDeu_score = -8407.3

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FA3C31790>, <function single_edge_mutation at 0x0000020FA3C31700>]
crossover_types = [<function custom_crossover at 0x0000020FA3C315E0>]
stopping_after_n_generation = 10
actual_generation_num = 23
Nodes: [Netpay, Gross, Period, Structural setting, Tectonic regime, Lithology, Porosity, Permeability, Depth]
Edges: [('Gross', 'Netpay'), ('Gross', 'Permeability'), ('Gross', 'Depth'), ('Period', 'Gross'), ('Period', 'Porosity'), ('Structural setting', 'Gross'), ('Structural setting', 'Period'), ('Structural setting', 'Depth'), ('Tectonic regime', 'Structural setting'), ('Lithology', 'Gross'), ('Lithology', 'Structural setting'), ('Lithology', 'Tectonic regime'), ('Lithology', 'Permeability'), ('Porosity', 'Gross'), ('Porosity', 'Permeability'), ('Porosity', 'Depth'), ('Permeability', 'Netpay'), ('Depth', 'Permeability')]

Current graph