K2_score = -6657.29

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
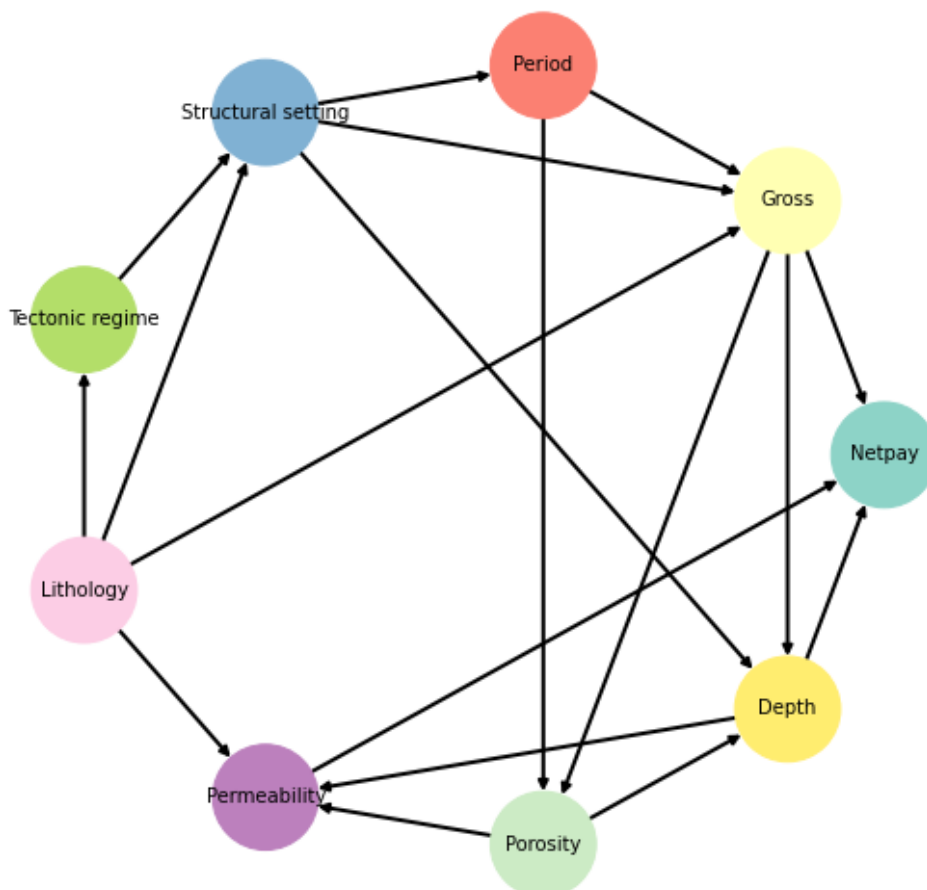crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
stopping_after_n_generation = 10
actual_generation_num = 21
Nodes: [Netpay, Gross, Period, Structural setting, Tectonic regime, Lithology, Permeability, Porosity, Depth]
Edges: [('Gross', 'Netpay'), ('Gross', 'Porosity'), ('Gross', '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'), ('Permeability', 'Netpay'), ('Porosity', 'Permeability'), ('Porosity', 'Depth'), ('Depth', 'Netpay'), ('Depth', 'Permeability')]

Current graph

Bic_score = -92537.73

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
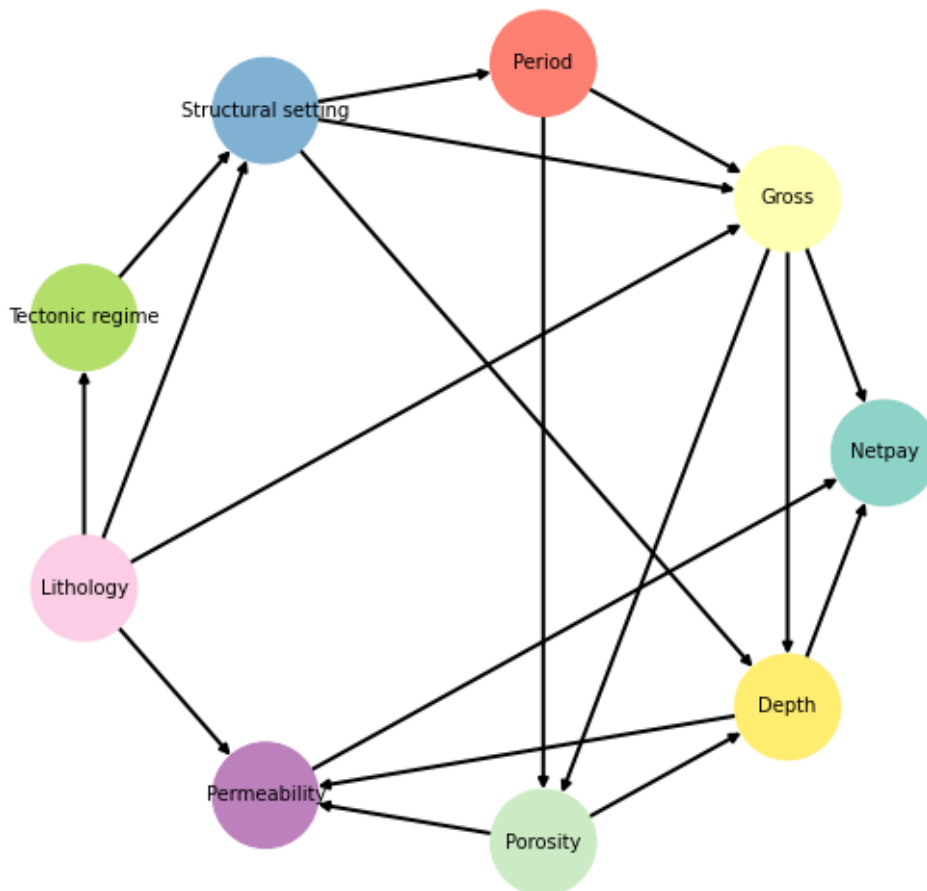crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
stopping_after_n_generation = 10
actual_generation_num = 22
Nodes: [Period, Lithology, Gross, Netpay, Porosity, Depth, Tectonic regime, Structural setting, Permeability]
Edges: [('Period', 'Gross'), ('Period', 'Porosity'), ('Lithology', 'Gross'), ('Lithology', 'Tectonic regime'), ('Lithology', 'Structural setting'), ('Lithology', 'Permeability'), ('Gross', 'Netpay'), ('Gross', 'Porosity'), ('Gross', 'Permeability'), ('Porosity', 'Depth'), ('Porosity', 'Permeability'), ('Depth', 'Netpay'), ('Tectonic regime', 'Structural setting'), ('Structural setting', 'Period'), ('Structural setting', 'Gross'), ('Structural setting', 'Depth'), ('Permeability', 'Netpay'), ('Permeability', 'Depth')]

Current graph

BDeu_score = -8196.83

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
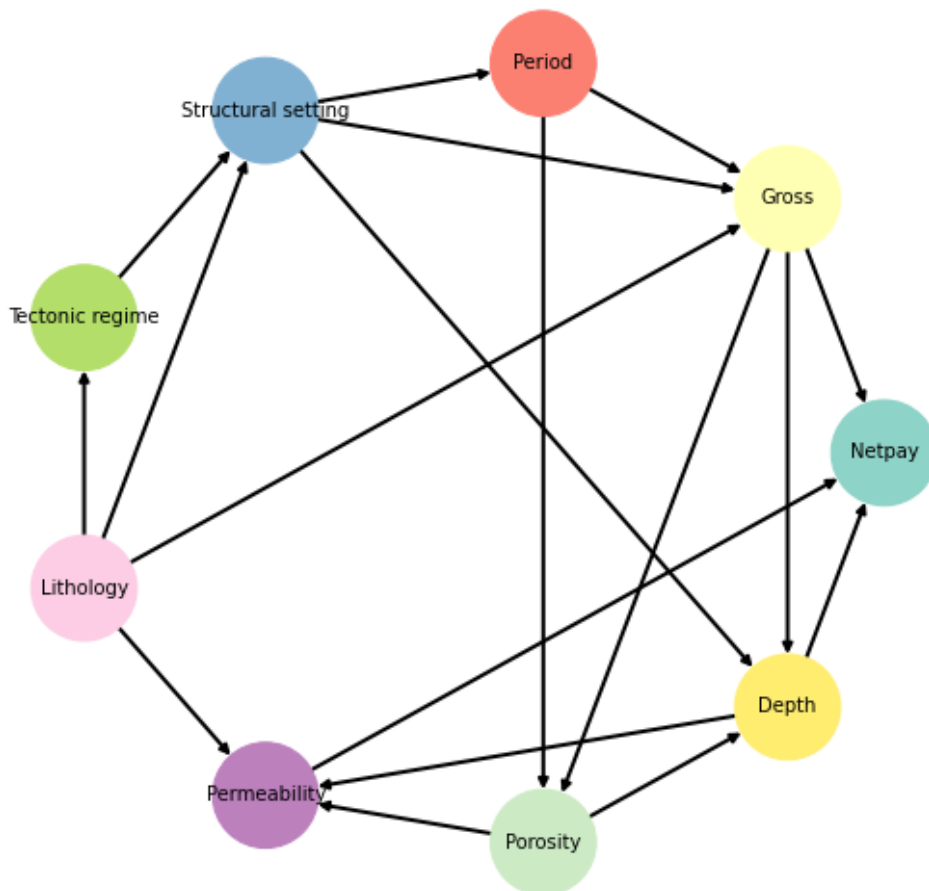crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
stopping_after_n_generation = 10
actual_generation_num = 20
Nodes: [Netpay, Gross, Period, Structural setting, Tectonic regime, Lithology, Permeability, Porosity, Depth]
Edges: [('Gross', 'Netpay'), ('Gross', 'Porosity'), ('Period', 'Gross'), ('Period', 'Lithology'), ('Period', 'Porosity'), ('Structural setting', 'Gross'), ('Structural setting', 'Period'), ('Structural setting', 'Lithology'), ('Structural setting', 'Depth'), ('Tectonic regime', 'Structural setting'), ('Lithology', 'Gross'), ('Lithology', 'Permeability'), ('Permeability', 'Netpay'), ('Porosity', 'Permeability'), ('Porosity', 'Depth'), ('Depth', 'Permeability')]

Current graph

K2_score = -6622.17

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
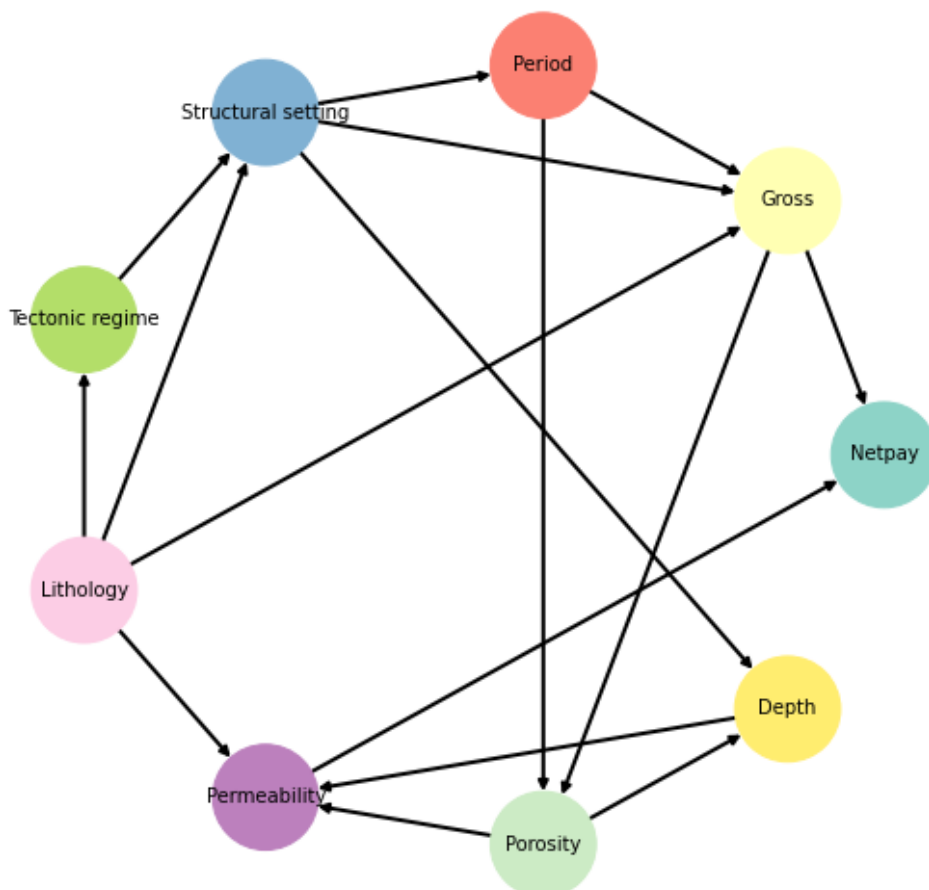stopping_after_n_generation = 10
actual_generation_num = 15
Nodes: [Netpay, Gross, Period, Structural setting, Tectonic regime, Lithology, Permeability, Porosity, Depth]
Edges: [('Gross', 'Netpay'), ('Gross', 'Porosity'), ('Period', 'Gross'), ('Period', 'Porosity'), ('Structural setting', 'Gross'), ('Structural setting', 'Period'), ('Structural setting', 'Depth'), ('Tectonic regime', 'Structural setting'), ('Lithology', 'Gross'), ('Lithology', 'Structural setting'), ('Lithology', 'Tectonic regime'), ('Lithology', 'Permeability'), ('Permeability', 'Netpay'), ('Porosity', 'Permeability'), ('Porosity', 'Depth'), ('Depth', 'Permeability')]

Current graph

Bic_score = -384726.82

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
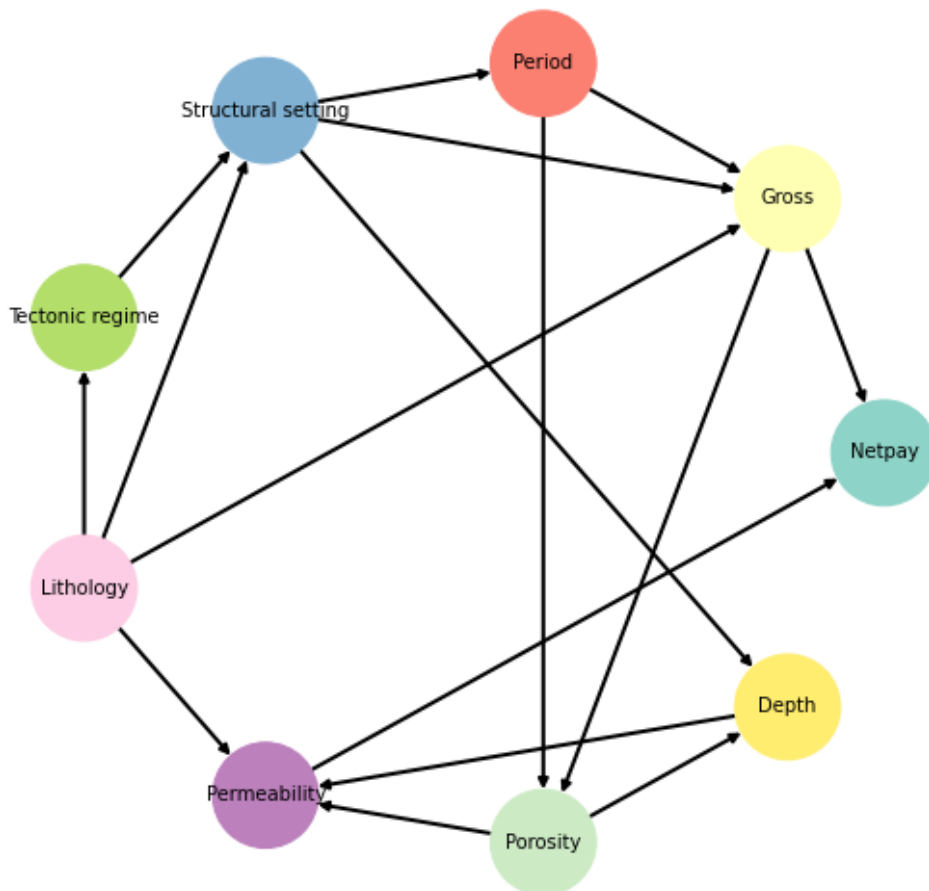crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
stopping_after_n_generation = 10
actual_generation_num = 22
Nodes: [Netpay, Gross, Period, Structural setting, Tectonic regime, Lithology, Porosity, Depth, Permeability]
Edges: [('Gross', 'Netpay'), ('Gross', 'Permeability'), ('Period', 'Gross'), ('Period', 'Lithology'), ('Period', 'Porosity'), ('Structural setting', 'Gross'), ('Structural setting', 'Period'), ('Structural setting', 'Lithology'), ('Structural setting', 'Depth'), ('Tectonic regime', 'Structural setting'), ('Lithology', 'Gross'), ('Lithology', 'Porosity'), ('Lithology', 'Permeability'), ('Porosity', 'Gross'), ('Porosity', 'Depth'), ('Porosity', 'Permeability'), ('Depth', 'Netpay'), ('Permeability', 'Depth')]

Current graph

BDeu_score = -8551.01

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
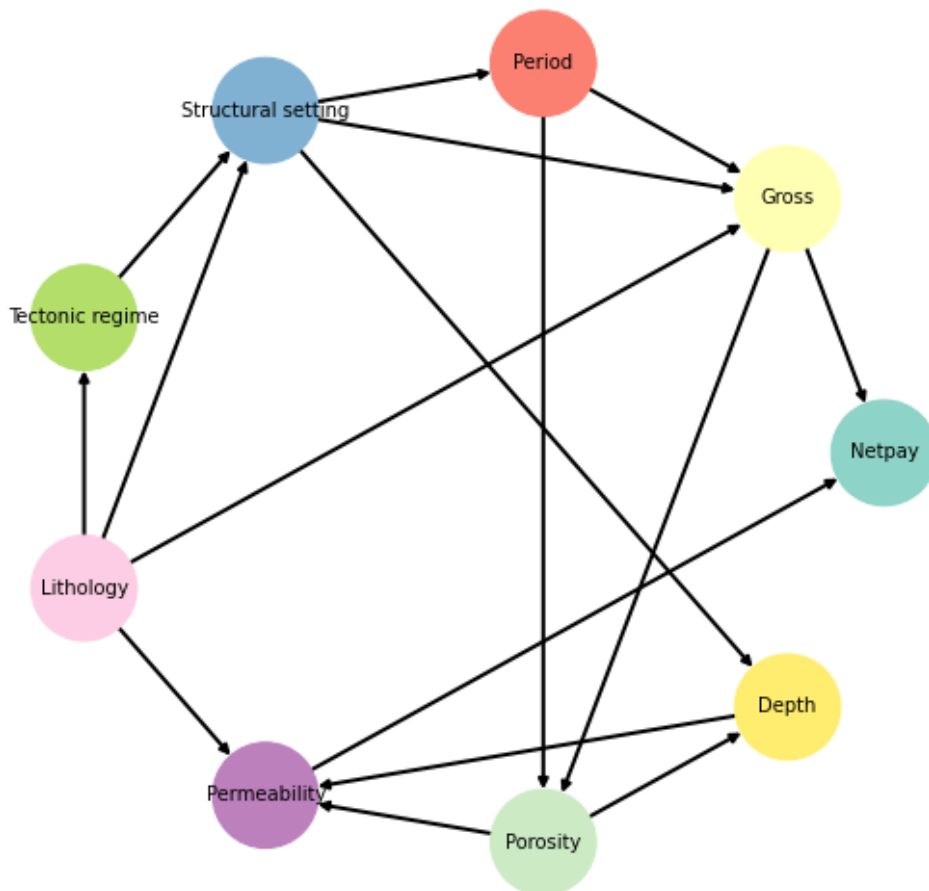crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
stopping_after_n_generation = 10
actual_generation_num = 17
Nodes: [Depth, Structural setting, Tectonic regime, Lithology, Porosity, Period, Gross, Netpay, Permeability]
Edges: [('Structural setting', 'Depth'), ('Structural setting', 'Period'), ('Structural setting', 'Gross'), ('Tectonic regime', 'Structural setting'), ('Lithology', 'Structural setting'), ('Lithology', 'Tectonic regime'), ('Lithology', 'Gross'), ('Lithology', 'Permeability'), ('Porosity', 'Depth'), ('Porosity', 'Permeability'), ('Period', 'Porosity'), ('Period', 'Gross'), ('Gross', 'Porosity'), ('Gross', 'Netpay'), ('Netpay', 'Porosity'), ('Netpay', 'Permeability'), ('Permeability', 'Depth')]

Current graph

K2_score = -6742.46

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
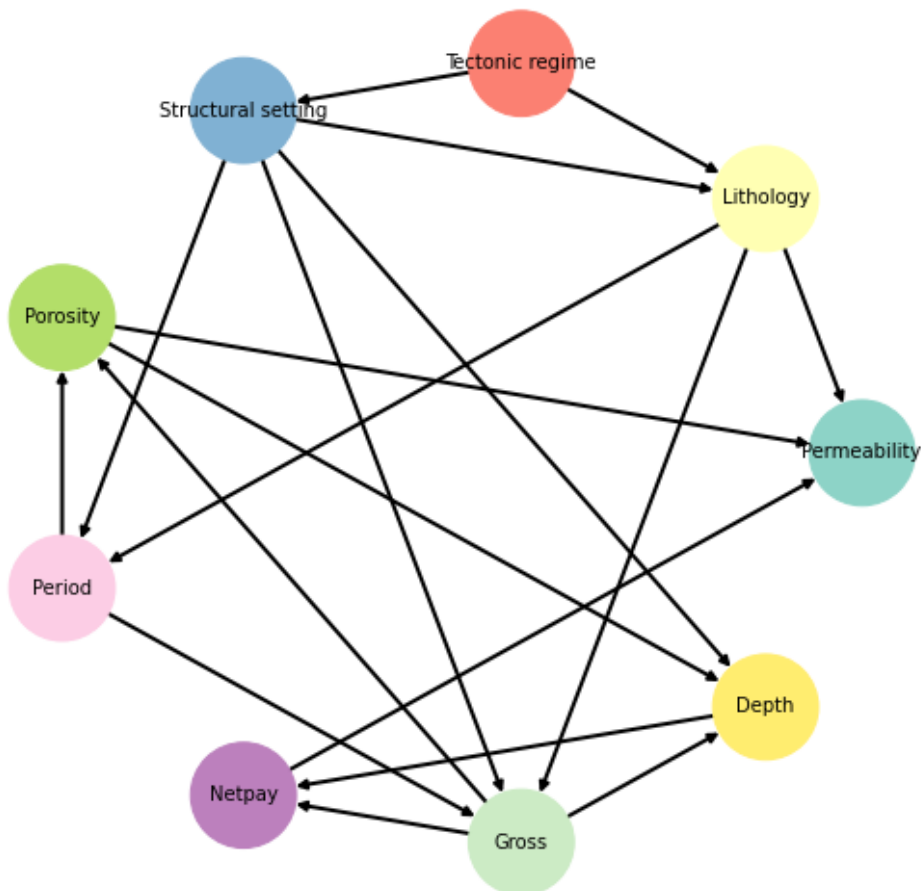stopping_after_n_generation = 10
actual_generation_num = 24
Nodes: [Permeability, Lithology, Tectonic regime, Structural setting, Porosity, Period, Netpay, Gross, Depth]
Edges: [('Lithology', 'Permeability'), ('Lithology', 'Period'), ('Lithology', 'Gross'), ('Tectonic regime', 'Lithology'), ('Tectonic regime', 'Structural setting'), ('Structural setting', 'Lithology'), ('Structural setting', 'Period'), ('Structural setting', 'Gross'), ('Structural setting', 'Depth'), ('Porosity', 'Permeability'), ('Porosity', 'Depth'), ('Period', 'Porosity'), ('Period', 'Gross'), ('Netpay', 'Permeability'), ('Gross', 'Porosity'), ('Gross', 'Netpay'), ('Gross', 'Depth'), ('Depth', 'Netpay')]

Current graph

Bic_score = -405549.02

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
stopping_after_n_generation = 10
actual_generation_num = 28
Nodes: [Permeability, Lithology, Tectonic regime, Porosity, Period, Structural setting, Netpay, Gross, Depth]
Edges: [('Lithology', 'Permeability'), ('Lithology', 'Period'), ('Lithology', 'Structural setting'), ('Lithology', 'Gross'), ('Tectonic regime', 'Lithology'), ('Tectonic regime', 'Structural setting'), ('Porosity', 'Permeability'), ('Porosity', 'Netpay'), ('Porosity', 'Gross'), ('Porosity', 'Depth'), ('Period', 'Porosity'), ('Period', 'Gross'), ('Structural setting', 'Period'), ('Structural setting', 'Gross'), ('Structural setting', 'Depth'), ('Netpay', 'Permeability'), ('Gross', 'Netpay'), ('Gross', 'Depth'), ('Depth', 'Permeability'), ('Depth', 'Netpay')]

Current graph

BDeu_score = -8832.82

pop_size = 10
mutation_prob = 0.9
genetic_scheme_type = GeneticSchemeTypesEnum.steady_state
selection_types = SelectionTypesEnum.tournament
mutation_types = [<function reverse_mutation at 0x0000020FD2F5DD30>, <function single_edge_mutation at 0x0000020FD2F5DCA0>]
crossover_types = [<function custom_crossover at 0x0000020FD2F5DB80>]
stopping_after_n_generation = 10
actual_generation_num = 29
Nodes: [Depth, Structural setting, Tectonic regime, Porosity, Period, Lithology, Permeability, Gross, Netpay]
Edges: [('Structural setting', 'Depth'), ('Structural setting', 'Period'), ('Structural setting', 'Lithology'), ('Structural setting', 'Gross'), ('Tectonic regime', 'Structural setting'), ('Porosity', 'Depth'), ('Porosity', 'Permeability'), ('Porosity', 'Gross'), ('Porosity', 'Netpay'), ('Period', 'Porosity'), ('Period', 'Lithology'), ('Period', 'Gross'), ('Lithology', 'Porosity'), ('Lithology', 'Permeability'), ('Lithology', 'Gross'), ('Permeability', 'Depth'), ('Permeability', 'Netpay'), ('Gross', 'Permeability'), ('Gross', 'Netpay'), ('Netpay', 'Depth')]

Current graph