Calculate the degree of each node:

Fiancée

You

Mom

Aunt Alice

Dave

Brian

Mom – 1

Aunt Alice – 2

You – 5

Dave – 3

Brian – 3

Fiancée – 4

List of edges:

You and Mom

You and Aunt Alice

You and Dave

You and Brian

You and Fiancée

Fiancée and Brian

Fiancée and Dave

Dave and Brian

Clustering coefficient:

You: 2x4 / 5x4 = 8/20

Mom = NA

Aunt Alice = 2x1 / 2x1 = 1

Fiancée = 2x4 / 4x3 = 8/12

Dave = 2x3 / 3x2 = 1

Brian = 2x3 / 3x2 = 1

Calculate the shortest path between each pair of nodes:

You and everyone else = 1

Mom and you = 1

Aunt alice and you= 1

Aunt alice and fiancée =1

Aunt alice and Brian= 2