Session 1

1. (1.5 points) Provide the order and size of the graphs g_B and g_D.
(a) Explain why, having explored the same number of nodes, the order of the two graphs (g_B and g_D) differs.
(b) Justify which of the two graphs should have a higher order.
(c) Explain what size the two graphs should have.

2. (1 point) Indicate the minimum, maximum, and median of the in-degree and outdegree of the two graphs (g_B and g_D). Justify the obtained values.

3. (0.5 points) Indicate the number of songs in the dataset D and the number of different artists and albums that appear in it.
(a) Explain why the number of artists is between 200 and 400, considering the input graphs.
(b) Justify why the number of songs you obtained is correct, considering the input graphs.
(c) Justify why the number of retrieved albums is correct.