# Reproduction Issue

Running AGE with the given parameters on Cora to reproduce results gives:

**best\_acc: 0.7474150664697193, best\_nmi: 0.592693784378997, best\_adj: 0.5548289367219646**

Instead of:

**best\_acc: 0.768, best\_nmi: 0.607, best\_adj: 0.565**

# Smoothing Filter Issue

For some reason, their smoothing filter is h\*X\*hk-1 and not hk\*X. They may be equivalent. Using our filter which is the latter we get:

**best\_acc: 0.7485228951255539, best\_nmi: 0.5957163646695, best\_adj: 0.5573097492917993**

Our case is better by a difference observed in the 3rd decimal, so it may be a random fluctuation after all. It seems that the two filters are equivalent.