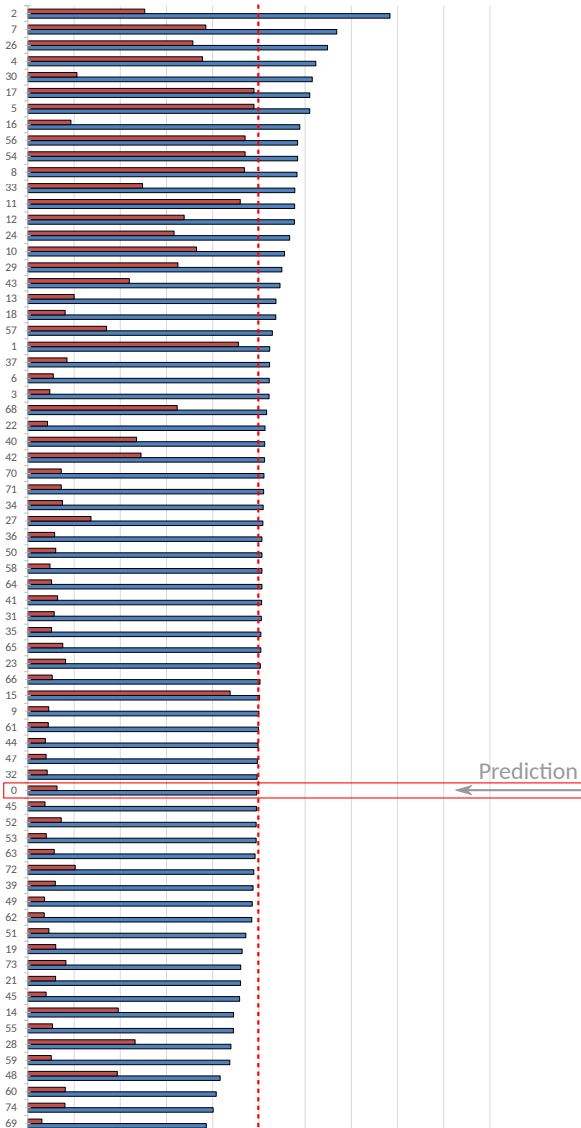Aggregated Network vs. Aggregated Prior Network