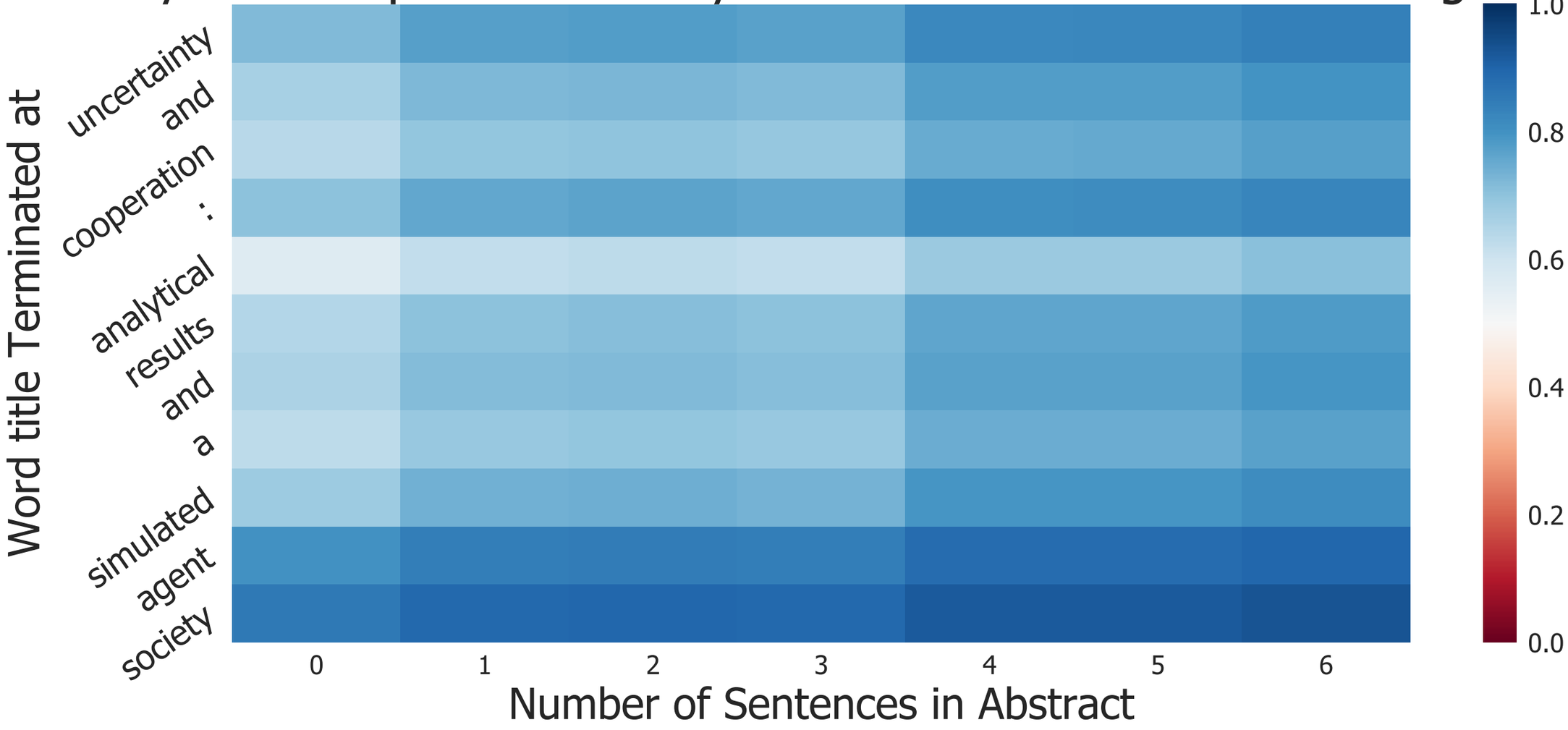Effects of varying Input on DNN output probabilties: Uncertainty and Cooperation: Analytical Results and a Simulated Agent Society