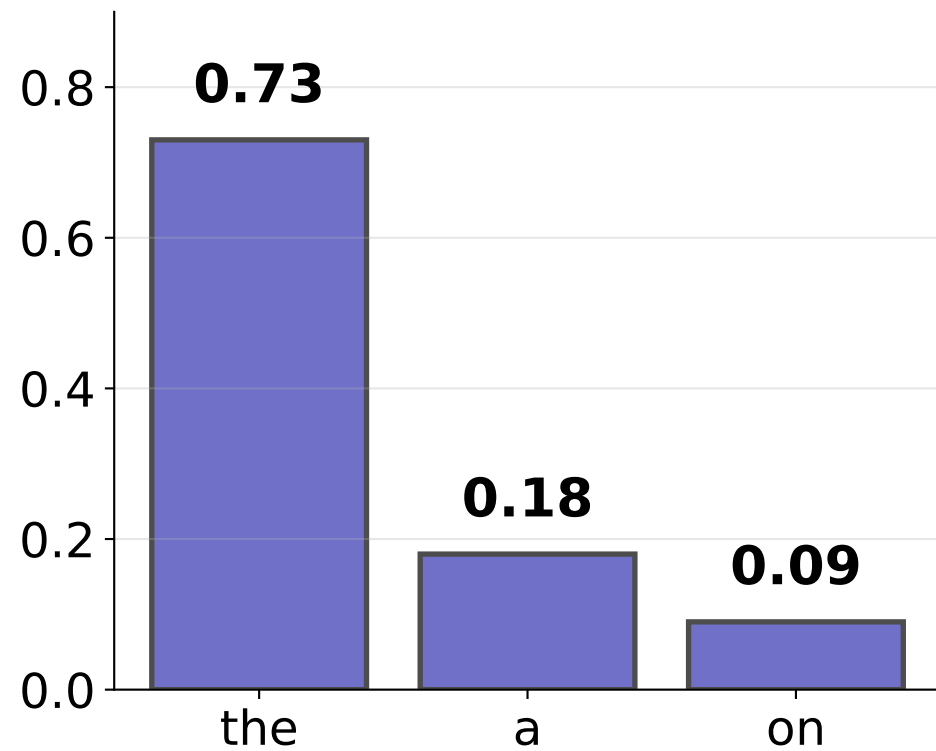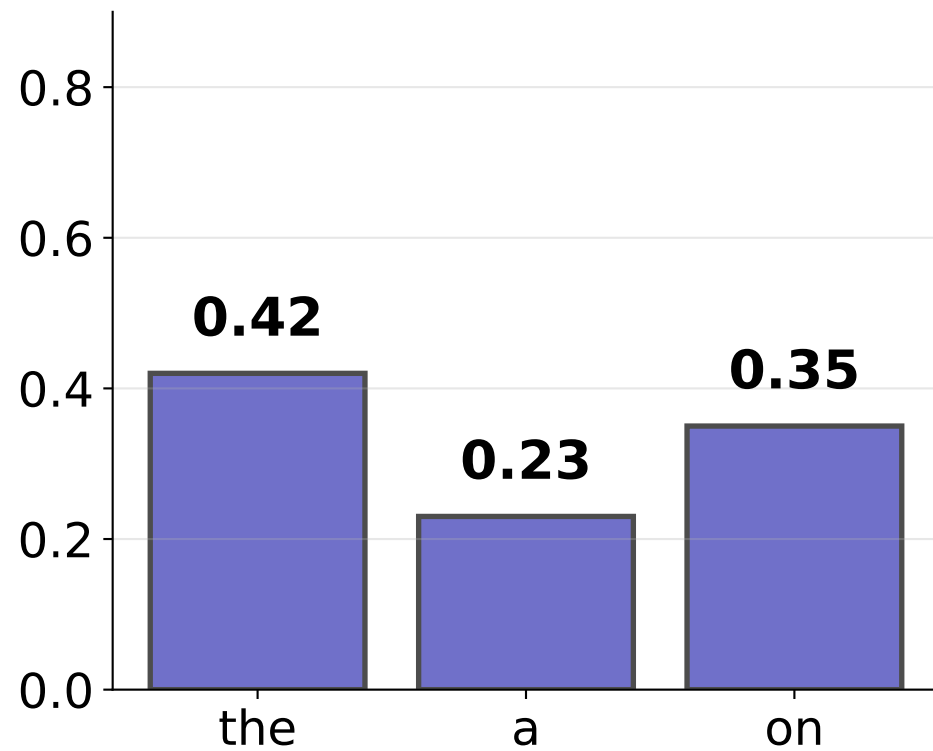Temperature Effects