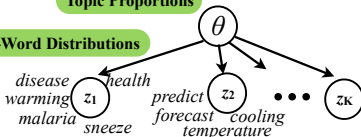


## Topic Proportions

## Topic-Word Distributions

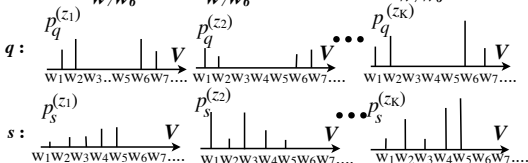
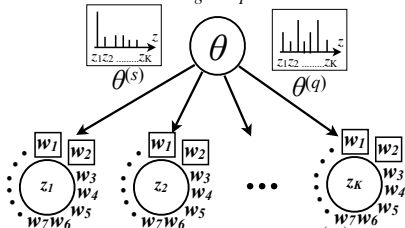


$s$ : “Global<sub>1</sub> warming<sub>2</sub> may rise<sub>3</sub> incidence<sub>4</sub> of malaria<sub>5</sub>.”

$q$ : “How does global<sub>1</sub> warming<sub>2</sub> effect<sub>6</sub> humans<sub>7</sub>?”

(a) Snapshot of Flat Topic Structure of passages  $s$  for a question  $q$  on “global warming”.

## Posterior Passage-Topic Distributions



## Posterior Topic-Word Distributions

(b) Magnified view of **word** given **topic** and **topic** given **passage** distributions showing  $s=\{w_1, w_2, w_3, w_4, w_5\}$  and  $q=\{w_1, w_2, w_6, w_7\}$