

Document as a Sample of Mixed Topics

Topic θ_1

government 0.3
response 0.2
...

Topic θ_2

city 0.2
new 0.1
orleans 0.05
...

...

Topic θ_k

donate 0.1
relief 0.05
help 0.02
...

Background θ_B

the 0.04
a 0.03
...

Blog article about “Hurricane Katrina”

[Criticism of government response to the hurricane primarily consisted of criticism of its response to the approach of the storm and its aftermath, specifically in the delayed response] to the [flooding of New Orleans. ... 80% of the 1.3 million residents of the greater New Orleans metropolitan area evacuated] ... [Over seventy countries pledged monetary donations or other assistance]. ...

Many applications are possible if we can “decode” the topics in text...