## Mining Multiple Topics from Text





) heard excuses for the speaker's emberrassing quality, including "lifs a small device". My cheap Samsung cell one's speaker is & better than the IPod Touch, and the phone is smaller. The other excuse hie heard is "The ealor was designed for game play." Walt, what? That's not a valid excuse, because the IPOD is a MUSIC denoce d that aside, what if I wanted my thends to hear the game play? For example, like 2 player Tap Tap Revolution 3 a Price. Let's face It, this thing is too expensive, as are EVERY STRUCK ONE OF APPLE'S PRODUCTS. Sure, the a 'Designed in California', but they are MADE in CHBIA, just like everything else

**OUTPUT:**  $\{\theta_1, ..., \theta_k\}, \{\pi_{i1}, ..., \pi_{ik}\}$ 

