## Experiement 1

400 files， 347 feature Abbreviations

10 topics, 500 iteration

stats of topics amony documents:

{8: 26, 6: 34, 9: 50, 0: 24, 7: 57, 1: 10, 2: 58, 4: 40, 3: 58, 5: 43}

\*Topic 0

- BS,CX,REQ,IEEE,REP,RSP,CT,SS,MAC,IBS,IP,BSID,BSs,CXP

\*Topic 1

- HARQ,ACK,ARQ,NAK,BS,UL,DL,NACK,IE,MS,IEEE,MPDU,MAP,SN

\*Topic 2

- IE,IEEE,MAP,DL,MIMO,UL,CQICH,AMC,BS,OFDMA,MBS,CID,DIUC,MSS

\*Topic 3

- IEEE,AAS,OFDMA,MHz,GHz,QPSK,ITU,PAPR,SNR,SINR,PHY,STC,RF,LOS

\*Topic 4

- SS,IEEE,UL,DL,BS,OFDMA,MAP,PHY,OFDM,TDD,SSs,RTG,MAC,TTG

\*Topic 5

- BS,MOB,MSS,HO,REQ,RSP,IEEE,MS,SCN,BSs,IND,NBR,ADV,BSHO

\*Topic 6

- IEEE,MAC,BS,EAP,TEK,PDU,SS,AK,MS,PKM,SA,AES,RSA,SDU

\*Topic 7

- RS,MR,MS,BS,IEEE,RSs,CID,MMR,MAP,MSs,UL,CDMA,FCH,DL

\*Topic 8

- CINR,IEEE,QAM,QPSK,BER,LDPC,TLV,TYPE,MAX,FEC,ROHC,DCD,UCD,PHY

\*Topic 9

- REQ,RSP,BS,IEEE,CID,MS,ID,RNG,MAC,DSA,IP,TLV,QoS,NCMS

## Experiment 2

1000files, 698 words