

# 1 TOSEM APPENDIX

**Table 1: Results with a constituency tree-aware edit distance metric**

	0	2	4	6	8	10	12
Google Politics	57.6%(1717/2982)	58.0%(1686/2908)	59.1%(1632/2761)	60.2%(1571/2610)	61.4%(1498/2438)	62.7%(1434/2288)	63.7%(1362/2137)
Google Business	85.8%(3369/3925)	85.8%(3324/3874)	85.9%(3203/3727)	86.1%(3095/3595)	86.1%(2954/3431)	86.1%(2800/3253)	86.0%(2643/3072)
Google Culture	59.1%(2882/4879)	59.3%(2842/4795)	59.8%(2766/4625)	60.4%(2688/4454)	61.0%(2602/4265)	61.6%(2494/4048)	61.9%(2378/3841)
Google Sport	53.7%(1480/2758)	53.6%(1459/2720)	54.5%(1424/2612)	55.0%(1386/2522)	55.5%(1332/2401)	56.1%(1283/2287)	57.0%(1236/2167)
Google Tech	57.3%(1525/2663)	58.2%(1511/2598)	59.1%(1470/2488)	59.8%(1414/2363)	60.6%(1351/2231)	61.3%(1294/2110)	62.3%(1241/1993)
Google Travel	65.4%(3453/5278)	65.6%(3403/5189)	66.2%(3311/5003)	66.7%(3225/4833)	67.3%(3131/4650)	68.0%(3019/4440)	68.7%(2886/4199)
Google Health	48.4%(1727/3569)	48.6%(1709/3514)	49.1%(1663/3388)	49.8%(1617/3247)	50.7%(1573/3100)	51.7%(1525/2950)	52.6%(1453/2764)
Google Life	53.7%(2013/3746)	54.1%(1993/3687)	54.6%(1939/3552)	55.3%(1892/3424)	55.9%(1842/3298)	56.6%(1787/3156)	57.1%(1722/3017)
Google Legal	56.7%(2010/3544)	57.4%(1995/3476)	58.2%(1942/3334)	59.0%(1893/3210)	60.2%(1839/3056)	61.7%(1785/2893)	62.7%(1718/2738)
Google Opinion	58.2%(1797/3088)	58.6%(1774/3028)	59.4%(1729/2909)	60.2%(1660/2757)	61.2%(1602/2616)	62.9%(1532/2434)	64.1%(1442/2251)
Google Politics Old	79.2%(1072/1353)	79.4%(1057/1331)	80.7%(1022/1267)	82.4%(985/1195)	83.9%(930/1109)	85.1%(866/1018)	86.7%(800/923)
Google Business Old	84.4%(1310/1553)	84.7%(1282/1514)	85.6%(1232/1440)	86.6%(1180/1363)	87.7%(1120/1277)	88.6%(1062/1199)	89.1%(994/1116)
Google SUM	61.9%(24355/39338)	62.2%(24035/38634)	62.9%(23333/37106)	63.5%(22606/35573)	64.3%(21774/33872)	65.1%(20881/32076)	65.8%(19875/30218)
Bing Politics	69.1%(2060/2982)	69.5%(2021/2908)	70.6%(1949/2761)	70.9%(1851/2610)	72.1%(1759/2438)	72.9%(1668/2288)	73.8%(1578/2137)
Bing Business	62.5%(2460/3933)	62.8%(2432/3870)	63.4%(2366/3732)	63.9%(2282/3571)	64.3%(2199/3422)	64.2%(2079/3236)	64.6%(1965/3043)
Bing Culture	70.9%(3464/4885)	71.5%(3429/4798)	72.3%(3367/4654)	73.5%(3289/4473)	74.7%(3188/4270)	75.6%(3072/4066)	76.9%(2980/3877)
Bing Sport	47.8%(1314/2751)	48.0%(1300/2710)	49.1%(1273/2594)	50.3%(1244/2471)	51.0%(1192/2338)	52.5%(1151/2193)	53.3%(1107/2078)
Bing Tech	60.7%(1615/2662)	61.1%(1587/2597)	62.2%(1553/2497)	62.9%(1494/2377)	63.6%(1427/2243)	64.2%(1367/2129)	65.1%(1293/1986)
Bing Travel	69.1%(3651/5283)	69.2%(3607/5209)	69.7%(3503/5024)	70.2%(3389/4829)	70.5%(3256/4619)	71.0%(3141/4422)	71.7%(2994/4178)
Bing Health	48.6%(1738/3573)	49.1%(1721/3506)	49.8%(1682/3379)	50.4%(1620/3213)	51.4%(1571/3059)	52.3%(1507/2880)	53.3%(1429/2681)
Bing Life	63.3%(2360/3731)	63.8%(2341/3668)	64.9%(2286/3523)	65.5%(2222/3391)	66.6%(2160/3242)	68.1%(2082/3057)	68.9%(1995/2896)
Bing Legal	56.1%(1992/3551)	56.3%(1965/3488)	57.2%(1904/3326)	57.8%(1844/3189)	59.1%(1788/3026)	60.3%(1726/2864)	61.2%(1662/2715)
Bing Opinion	59.1%(1824/3084)	59.2%(1794/3029)	59.7%(1738/2909)	59.7%(1641/2747)	60.0%(1555/2592)	60.3%(1466/2433)	60.5%(1367/2259)
Bing Politics Old	76.7%(1041/1357)	77.1%(1026/1330)	77.5%(986/1272)	78.2%(938/1199)	78.9%(870/1103)	79.6%(800/1005)	80.2%(736/918)
Bing Business Old	64.9%(1005/1548)	65.3%(986/1510)	65.9%(947/1436)	65.9%(889/1348)	66.6%(838/1259)	66.7%(778/1167)	66.4%(700/1054)
Bing SUM	62.3%(24524/39340)	62.7%(24209/38623)	63.5%(23554/37107)	64.1%(22703/35418)	64.9%(21803/33611)	65.6%(20837/31740)	66.4%(19806/29822)

**Table 2: The precision of STP with an automatic invalid sentence filtering mechanism**

	0	2	4	6	8	10	12
Google Politics	61.5%(996/1620)	69.7%(450/646)	75.1%(139/185)	63.2%(24/38)	75.0%(6/8)	N.A.	N.A.
Google Business	85.6%(2685/3138)	84.4%(1136/1346)	78.4%(269/343)	72.3%(47/65)	85.7%(12/14)	100.0%(2/2)	N.A.
Google Culture	58.0%(1976/3406)	57.1%(949/1662)	59.7%(402/673)	62.2%(102/164)	75.0%(24/32)	80.0%(4/5)	N.A.
Google Sport	56.8%(1163/2048)	60.2%(557/926)	56.7%(161/284)	72.7%(72/99)	86.1%(31/36)	100.0%(12/12)	100.0%(5/5)
Google Tech	62.0%(1207/1946)	74.4%(553/743)	78.3%(184/235)	72.4%(42/58)	92.3%(12/13)	N.A.	N.A.
Google Travel	65.9%(2450/3718)	71.5%(1376/1925)	79.1%(603/762)	85.1%(205/241)	89.5%(68/76)	84.0%(21/25)	90.9%(10/11)
Google Health	50.2%(1380/2748)	60.5%(781/1291)	70.6%(322/456)	85.4%(76/89)	100.0%(20/20)	100.0%(7/7)	N.A.
Google Life	57.1%(1549/2714)	65.4%(898/1373)	82.0%(350/427)	91.4%(106/116)	100.0%(20/20)	100.0%(1/1)	N.A.
Google Legal	62.3%(1651/2652)	73.9%(947/1282)	79.1%(397/502)	85.1%(154/181)	76.9%(40/52)	55.6%(5/9)	100.0%(2/2)
Google Opinion	59.6%(1374/2305)	68.7%(605/881)	75.6%(136/180)	82.4%(42/51)	100.0%(17/17)	100.0%(2/2)	N.A.
Google Politics*	82.3%(909/1104)	88.8%(379/427)	97.5%(118/121)	100.0%(38/38)	100.0%(12/12)	100.0%(2/2)	N.A.
Google Business*	86.9%(1019/1172)	94.4%(437/463)	97.3%(107/110)	100.0%(14/14)	N.A.	N.A.	N.A.
Google SUM	64.3%(18359/28571)	69.9%(9068/12965)	74.5%(3188/4278)	79.9%(922/1154)	87.3%(262/300)	86.2%(56/65)	94.4%(17/18)
Bing Politics	72.6%(1644/2265)	74.8%(682/912)	74.8%(196/262)	73.9%(34/46)	55.6%(5/9)	N.A.	N.A.
Bing Business	66.2%(1538/2323)	72.3%(669/925)	75.3%(168/223)	76.5%(26/34)	100.0%(5/5)	N.A.	N.A.
Bing Culture	72.2%(2390/3311)	80.8%(1245/1541)	82.7%(492/595)	77.4%(144/186)	74.0%(37/50)	66.7%(10/15)	75.0%(3/4)
Bing Sport	51.2%(1034/2020)	65.2%(597/916)	76.0%(237/312)	85.9%(85/99)	96.9%(31/32)	100.0%(9/9)	100.0%(2/2)
Bing Tech	63.4%(1255/1978)	78.6%(563/716)	89.3%(176/197)	100.0%(49/49)	100.0%(7/7)	N.A.	N.A.
Bing Travel	67.9%(2511/3697)	71.6%(1368/1911)	78.5%(561/715)	86.0%(154/179)	94.4%(34/36)	100.0%(4/4)	100.0%(1/1)
Bing Health	51.7%(1382/2675)	54.8%(708/1293)	56.0%(225/402)	69.0%(49/71)	60.0%(3/5)	N.A.	N.A.
Bing Life	63.7%(1668/2617)	69.6%(778/1118)	80.9%(246/304)	82.5%(52/63)	70.0%(7/10)	100.0%(1/1)	N.A.
Bing Legal	54.6%(1307/2392)	61.1%(553/905)	76.2%(198/260)	89.7%(87/97)	100.0%(27/27)	100.0%(8/8)	100.0%(6/6)
Bing Opinion	60.7%(1013/1669)	62.8%(319/508)	70.0%(84/120)	95.2%(20/21)	100.0%(7/7)	100.0%(1/1)	100.0%(1/1)
Bing Politics*	80.5%(817/1015)	86.6%(331/382)	95.8%(91/95)	100.0%(17/17)	100.0%(3/3)	N.A.	N.A.
Bing Business*	70.3%(804/1144)	79.8%(323/405)	87.7%(64/73)	100.0%(5/5)	N.A.	N.A.	N.A.
Bing SUM	64.1%(17363/27106)	70.6%(8136/11532)	77.0%(2738/3558)	83.3%(722/867)	86.9%(166/191)	86.8%(33/38)	92.9%(13/14)

**Table 3: The statistics of valid pruned sentences in our dataset**

Category	Ratio	#Valid	#All
Politics	0.93	913	985
Business	0.98	1096	1115
Culture	0.89	1101	1244
Sports	0.97	881	905
Tech	0.88	794	898
TravelFood	0.98	1309	1342
Health	0.90	895	993
LifeStyle	0.98	984	1009
Legal	1.00	1009	1013
Opinion	0.95	836	878
Politics*	0.98	599	609
Business*	0.98	655	666
Sum	0.95	11072	11657

**Table 4: Results with a constituency tree-aware bag-of-words metric**

	0	2	4	6	8	10	12
Google Politics	66.1%(926/1400)	66.8%(167/250)	61.0%(25/41)	11.1%(1/9)	0.0%(0/4)	N.A.	N.A.
Google Business	85.1%(1825/2145)	86.1%(416/483)	90.7%(68/75)	100.0%(17/17)	100.0%(6/6)	100.0%(6/6)	100.0%(6/6)
Google Culture	59.1%(1657/2805)	55.0%(433/787)	61.6%(69/112)	84.6%(11/13)	50.0%(1/2)	N.A.	N.A.
Google Sport	54.5%(806/1479)	60.6%(228/376)	79.7%(55/69)	70.6%(12/17)	66.7%(4/6)	60.0%(3/5)	100.0%(3/3)
Google Tech	63.5%(805/1267)	64.4%(170/264)	75.0%(42/56)	75.0%(12/16)	75.0%(3/4)	0.0%(0/1)	N.A.
Google Travel	67.3%(2012/2988)	65.5%(562/858)	73.9%(130/176)	93.1%(27/29)	100.0%(9/9)	100.0%(1/1)	N.A.
Google Health	51.5%(1056/2051)	53.5%(263/492)	69.7%(46/66)	75.0%(3/4)	N.A.	N.A.	N.A.
Google Life	56.6%(1319/2330)	64.6%(358/554)	77.2%(98/127)	90.9%(20/22)	100.0%(5/5)	N.A.	N.A.
Google Legal	63.6%(1120/1761)	69.7%(235/337)	58.7%(27/46)	83.3%(10/12)	100.0%(1/1)	N.A.	N.A.
Google Opinion	64.3%(1048/1630)	68.5%(274/400)	80.5%(62/77)	100.0%(18/18)	100.0%(5/5)	N.A.	N.A.
Google Politics*	82.5%(570/691)	82.9%(116/140)	84.6%(22/26)	100.0%(3/3)	N.A.	N.A.	N.A.
Google Business*	89.1%(770/864)	94.9%(149/157)	100.0%(19/19)	100.0%(1/1)	N.A.	N.A.	N.A.
Google SUM	65.0%(13914/21411)	66.1%(3371/5098)	74.5%(663/890)	83.9%(135/161)	81.0%(34/42)	76.9%(10/13)	100.0%(9/9)
Bing Politics	71.1%(996/1400)	74.4%(186/250)	70.7%(29/41)	11.1%(1/9)	0.0%(0/4)	N.A.	N.A.
Bing Business	71.3%(1364/1913)	75.5%(332/440)	80.4%(45/56)	100.0%(6/6)	100.0%(1/1)	N.A.	N.A.
Bing Culture	77.2%(2295/2971)	86.0%(828/963)	92.8%(259/279)	96.6%(85/88)	86.7%(13/15)	100.0%(1/1)	N.A.
Bing Sport	55.4%(730/1317)	63.9%(149/233)	50.0%(22/44)	62.5%(5/8)	100.0%(1/1)	N.A.	N.A.
Bing Tech	64.3%(868/1349)	80.2%(223/278)	78.8%(52/66)	80.0%(12/15)	75.0%(3/4)	N.A.	N.A.
Bing Travel	73.6%(2263/3074)	82.2%(736/895)	88.8%(174/196)	92.7%(38/41)	85.7%(6/7)	100.0%(4/4)	100.0%(1/1)
Bing Health	50.0%(1047/2093)	46.3%(256/553)	54.9%(50/91)	71.4%(10/14)	100.0%(1/1)	N.A.	N.A.
Bing Life	69.6%(1486/2136)	68.8%(247/359)	65.4%(34/52)	100.0%(3/3)	100.0%(1/1)	N.A.	N.A.
Bing Legal	60.0%(940/1567)	55.6%(190/342)	78.9%(86/109)	88.8%(71/80)	88.7%(55/62)	88.6%(31/35)	84.6%(22/26)
Bing Opinion	60.5%(1059/1750)	59.7%(176/295)	63.8%(37/58)	35.7%(5/14)	50.0%(2/4)	N.A.	N.A.
Bing Politics*	80.2%(542/676)	86.0%(104/121)	87.5%(7/8)	N.A.	N.A.	N.A.	N.A.
Bing Business*	64.9%(519/800)	66.0%(105/159)	83.3%(25/30)	85.7%(6/7)	N.A.	N.A.	N.A.
Bing SUM	67.0%(14109/21046)	72.3%(3532/4888)	79.6%(820/1030)	84.9%(242/285)	83.0%(83/100)	90.0%(36/40)	85.2%(23/27)

**Table 5: Results with a dependency tree-aware bag-of-words metric**

	0	2	4	6	8	10	12
Google Politics	62.8%(1113/1772)	72.1%(408/566)	69.1%(94/136)	56.5%(13/23)	12.5%(1/8)	0.0%(0/3)	N.A.
Google Business	85.4%(2319/2715)	84.6%(886/1047)	84.8%(196/231)	88.1%(52/59)	100.0%(15/15)	100.0%(7/7)	100.0%(6/6)
Google Culture	59.6%(2021/3393)	58.1%(782/1346)	62.7%(230/367)	80.4%(45/56)	89.5%(17/19)	100.0%(1/1)	N.A.
Google Sport	56.3%(1017/1807)	57.0%(383/672)	62.0%(124/200)	78.7%(37/47)	75.0%(9/12)	57.1%(4/7)	100.0%(3/3)
Google Tech	66.0%(1065/1614)	71.5%(417/583)	73.8%(152/206)	67.3%(35/52)	58.3%(7/12)	0.0%(0/1)	N.A.
Google Travel	66.8%(2513/3762)	66.7%(1135/1702)	70.0%(389/556)	78.9%(116/147)	78.8%(26/33)	100.0%(10/10)	100.0%(5/5)
Google Health	52.1%(1332/2557)	55.8%(548/982)	76.4%(172/225)	87.3%(48/55)	100.0%(11/11)	100.0%(1/1)	N.A.
Google Life	58.4%(1525/2613)	66.1%(705/1067)	79.9%(223/279)	89.0%(81/91)	100.0%(20/20)	100.0%(6/6)	N.A.
Google Legal	63.7%(1569/2463)	72.3%(797/1103)	76.4%(268/351)	76.0%(57/75)	100.0%(10/10)	100.0%(3/3)	N.A.
Google Opinion	61.6%(1204/1953)	66.7%(536/804)	77.1%(165/214)	88.5%(54/61)	100.0%(16/16)	100.0%(4/4)	100.0%(1/1)
Google Politics*	83.3%(707/849)	90.8%(265/292)	88.5%(69/78)	81.8%(18/22)	100.0%(2/2)	N.A.	N.A.
Google Business*	88.6%(906/1022)	94.2%(322/342)	94.9%(75/79)	100.0%(10/10)	100.0%(1/1)	N.A.	N.A.
Google SUM	65.2%(17291/26520)	68.4%(7184/10506)	73.8%(2157/2922)	81.1%(566/698)	84.9%(135/159)	83.7%(36/43)	100.0%(15/15)
Bing Politics	70.9%(1257/1772)	72.3%(409/566)	77.2%(105/136)	60.9%(14/23)	12.5%(1/8)	0.0%(0/3)	N.A.
Bing Business	67.3%(1700/2525)	72.2%(656/908)	72.0%(144/200)	62.2%(28/45)	44.4%(4/9)	0.0%(0/1)	N.A.
Bing Culture	74.8%(2604/3482)	78.8%(1264/1605)	86.0%(540/628)	88.6%(209/236)	85.3%(64/75)	77.8%(7/9)	0.0%(0/2)
Bing Sport	55.5%(926/1668)	69.5%(354/509)	76.8%(109/142)	78.7%(37/47)	80.0%(8/10)	N.A.	N.A.
Bing Tech	66.9%(1112/1661)	75.4%(503/667)	84.7%(199/235)	90.3%(65/72)	91.7%(11/12)	100.0%(3/3)	N.A.
Bing Travel	72.1%(2720/3771)	77.0%(1351/1754)	87.9%(529/602)	91.2%(196/215)	97.1%(66/68)	100.0%(28/28)	100.0%(8/8)
Bing Health	50.5%(1288/2548)	52.0%(559/1076)	64.0%(153/239)	86.4%(38/44)	93.3%(14/15)	100.0%(5/5)	100.0%(3/3)
Bing Life	68.0%(1725/2536)	73.0%(635/870)	75.7%(115/152)	100.0%(11/11)	100.0%(4/4)	100.0%(1/1)	N.A.
Bing Legal	58.2%(1305/2242)	62.5%(516/825)	71.4%(175/245)	84.4%(92/109)	89.0%(73/82)	94.6%(70/74)	93.8%(61/65)
Bing Opinion	61.1%(1203/1970)	53.9%(359/666)	61.2%(79/129)	48.9%(23/47)	36.8%(7/19)	18.2%(2/11)	28.6%(2/7)
Bing Politics*	78.7%(661/840)	83.1%(217/261)	89.4%(42/47)	80.0%(4/5)	N.A.	N.A.	N.A.
Bing Business*	64.2%(623/970)	72.8%(222/305)	88.3%(68/77)	100.0%(18/18)	100.0%(4/4)	100.0%(1/1)	N.A.
Bing SUM	65.9%(17124/25985)	70.4%(7045/10012)	79.7%(2258/2832)	84.3%(735/872)	83.7%(256/306)	86.0%(117/136)	87.1%(74/85)

**Table 6: Comparison with a state-of-the-art removal-based technique PatInv-Remove**

	STP							PatInv
	0	2	4	6	8	10	12	
Google Politics	61.0%(1410/2310)	68.8%(645/937)	76.7%(207/270)	71.4%(35/49)	77.8%(7/9)	0.0%(0/0)	0.0%(0/0)	64.7%(33/51)
Google Business	86.1%(2895/3364)	85.1%(1238/1455)	79.3%(298/376)	76.3%(58/76)	90.0%(18/20)	100.0%(8/8)	100.0%(6/6)	39.1%(18/46)
Google Culture	60.5%(2574/4255)	59.6%(1357/2278)	61.5%(606/985)	62.2%(153/246)	67.5%(27/40)	80.0%(4/5)	0.0%(0/0)	57.1%(24/42)
Google Sport	55.7%(1315/2361)	58.6%(675/1151)	60.7%(244/402)	80.1%(125/156)	93.4%(71/76)	100.0%(38/38)	100.0%(21/21)	55.2%(16/29)
Google Tech	63.1%(1283/2033)	74.9%(590/788)	78.0%(206/264)	71.0%(44/62)	92.3%(12/13)	0.0%(0/0)	0.0%(0/0)	70.6%(24/34)
Google Travel	67.2%(3087/4591)	73.2%(1816/2480)	80.1%(859/1073)	86.6%(335/387)	90.6%(125/138)	90.6%(48/53)	95.5%(21/22)	71.0%(22/31)
Google Health	51.0%(1579/3099)	60.8%(921/1514)	69.8%(388/556)	84.9%(90/106)	100.0%(24/24)	100.0%(7/7)	0.0%(0/0)	39.1%(18/46)
Google Life	55.8%(1837/3295)	62.9%(1098/1745)	80.1%(447/558)	92.5%(149/161)	100.0%(26/26)	100.0%(3/3)	0.0%(0/0)	42.9%(21/49)
Google Legal	62.2%(1848/2971)	73.0%(1069/1464)	79.0%(459/581)	83.3%(169/203)	72.4%(42/58)	54.5%(6/11)	66.7%(2/3)	21.4%(6/28)
Google Opinion	61.1%(1553/2541)	70.0%(700/1000)	77.5%(172/222)	85.0%(51/60)	100.0%(17/17)	100.0%(2/2)	0.0%(0/0)	54.8%(23/42)
Google Politics*	82.5%(933/1131)	89.0%(389/437)	97.6%(120/123)	100.0%(38/38)	100.0%(12/12)	100.0%(2/2)	0.0%(0/0)	61.8%(21/34)
Google Business*	87.2%(1094/1254)	94.5%(464/491)	97.3%(109/112)	100.0%(14/14)	0.0%(0/0)	0.0%(0/0)	0.0%(0/0)	41.7%(10/24)
Google SUM	64.5%(21408/33205)	69.6%(10962/15740)	74.5%(4115/5522)	80.9%(1261/1558)	88.0%(381/433)	91.5%(118/129)	96.2%(50/52)	51.8%(236/456)
Bing Politics	72.9%(1685/2310)	75.5%(707/937)	75.6%(204/270)	75.5%(37/49)	55.6%(5/9)	0.0%(0/0)	0.0%(0/0)	69.0%(20/29)
Bing Business	66.6%(2129/3198)	72.1%(941/1306)	73.3%(217/296)	73.0%(27/37)	100.0%(5/5)	0.0%(0/0)	0.0%(0/0)	52.0%(13/25)
Bing Culture	75.1%(3127/4166)	82.8%(1757/2123)	84.4%(777/921)	79.9%(270/338)	76.4%(68/89)	76.2%(16/21)	88.9%(8/9)	12.2%(5/41)
Bing Sport	51.5%(1197/2326)	64.8%(712/1099)	77.3%(307/397)	88.1%(126/143)	95.2%(59/62)	95.8%(23/24)	100.0%(6/6)	66.7%(26/39)
Bing Tech	64.8%(1338/2064)	79.9%(609/762)	90.1%(192/213)	100.0%(49/49)	100.0%(7/7)	0.0%(0/0)	0.0%(0/0)	40.7%(11/27)
Bing Travel	69.9%(3185/4558)	73.3%(1806/2464)	80.7%(820/1016)	87.3%(261/299)	91.1%(72/79)	100.0%(9/9)	100.0%(2/2)	62.5%(15/24)
Bing Health	51.1%(1550/3033)	53.8%(792/1471)	55.2%(267/484)	64.4%(56/87)	50.0%(3/6)	0.0%(0/0)	0.0%(0/0)	47.7%(21/44)
Bing Life	66.6%(2124/3190)	72.4%(1069/1477)	83.2%(356/428)	85.4%(76/89)	76.9%(10/13)	100.0%(1/1)	0.0%(0/0)	33.3%(11/33)
Bing Legal	60.7%(1750/2881)	70.0%(861/1230)	84.9%(382/450)	92.8%(193/208)	96.1%(98/102)	93.0%(53/57)	92.2%(47/51)	36.0%(9/25)
Bing Opinion	60.1%(1536/2556)	60.3%(551/914)	61.7%(153/248)	73.5%(25/34)	100.0%(7/7)	100.0%(1/1)	100.0%(1/1)	60.0%(24/40)
Bing Politics*	80.7%(837/1037)	86.9%(337/388)	95.8%(92/96)	100.0%(17/17)	100.0%(3/3)	0.0%(0/0)	0.0%(0/0)	69.2%(18/26)
Bing Business*	67.7%(831/1227)	76.0%(336/442)	85.5%(65/76)	100.0%(5/5)	0.0%(0/0)	0.0%(0/0)	0.0%(0/0)	58.8%(20/34)
Bing SUM	65.4%(21289/32546)	71.7%(10478/14613)	78.3%(3832/4895)	84.3%(1142/1355)	88.2%(337/382)	91.2%(103/113)	92.8%(64/69)	49.9%(193/387)