

# **WORD CLOUDS AND HISTOGRAMS TO VISUALLY PRESENT THE MOST INFORMATIVE WORDS IN SUBJECT CATEGORIES**

ABSTRACT. Word clouds presenting the top 100 words ordered by their RIGs and histograms of RIGs for the first 10 words in the word clouds for 252 categories in the Leicester Scientific Corpus (LSC).



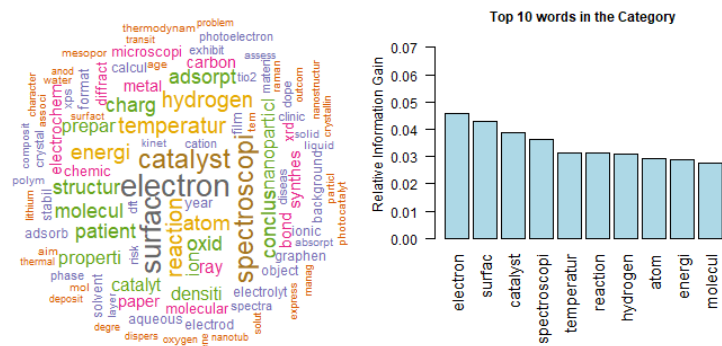


FIGURE 4. Chemistry, Physical

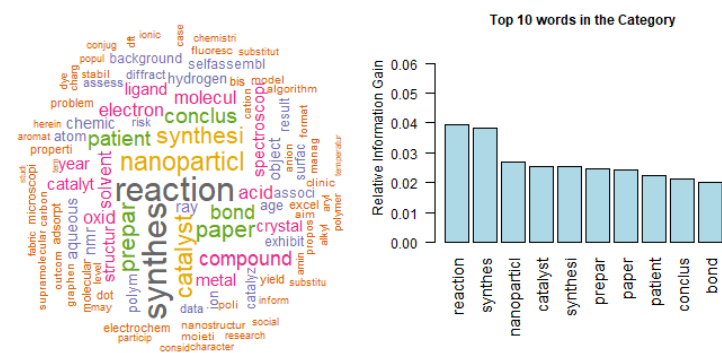


FIGURE 5. Chemistry, Multidisciplinary

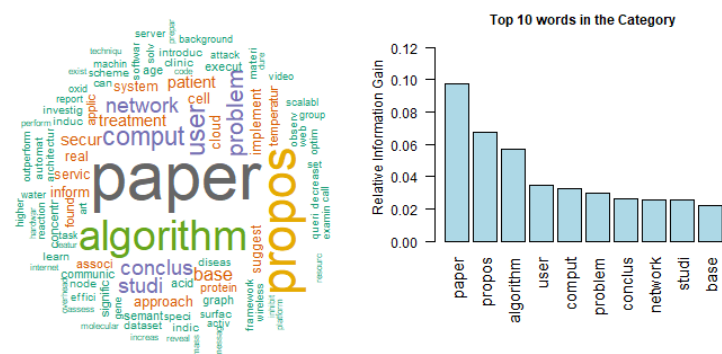


FIGURE 6. Computer Science, Theory & Methods

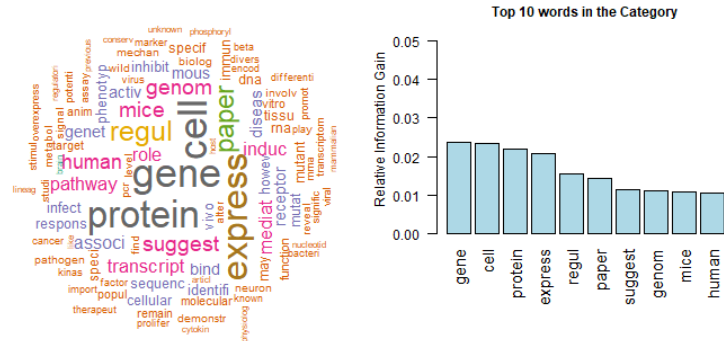


FIGURE 7. Multidisciplinary Sciences

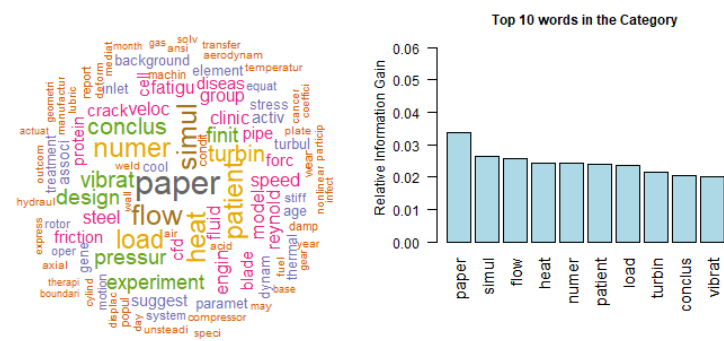


FIGURE 8. Engineering, Mechanical

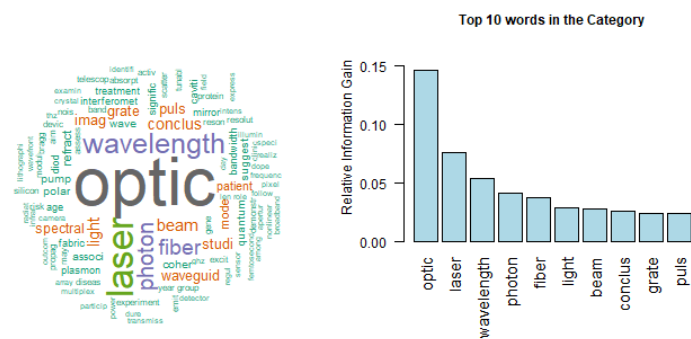


FIGURE 9. Optics





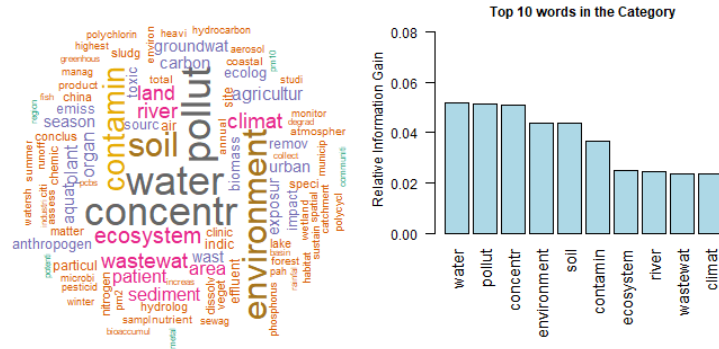


FIGURE 13. Environmental Sciences

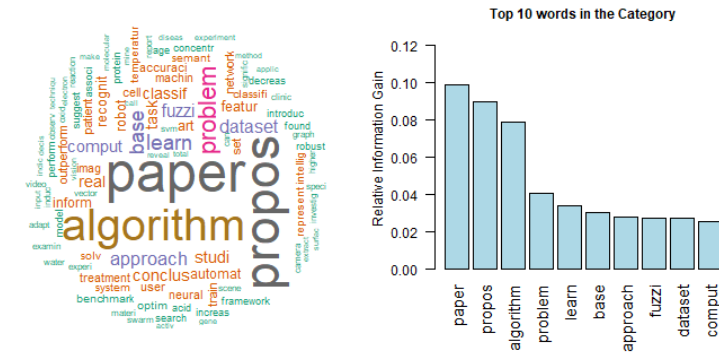


FIGURE 14. Computer Science, Artificial Intelligence

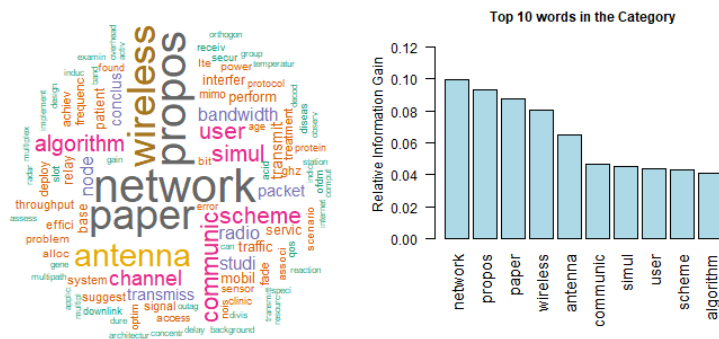


FIGURE 15. Telecommunications



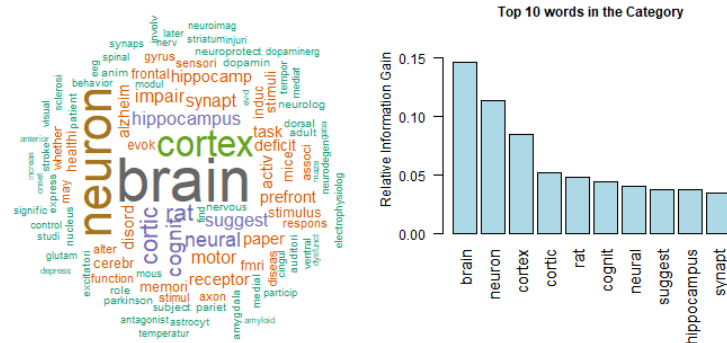


FIGURE 19. Neurosciences

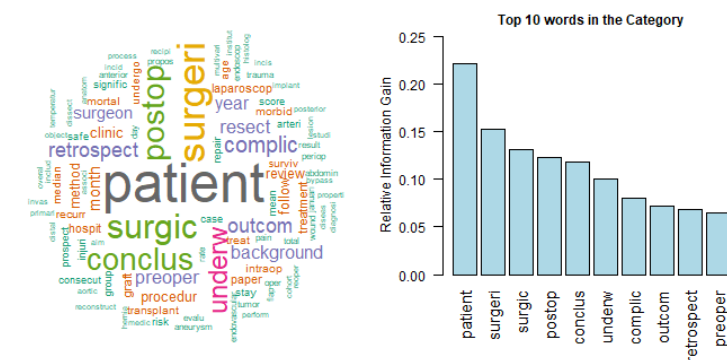


FIGURE 20. Surgery

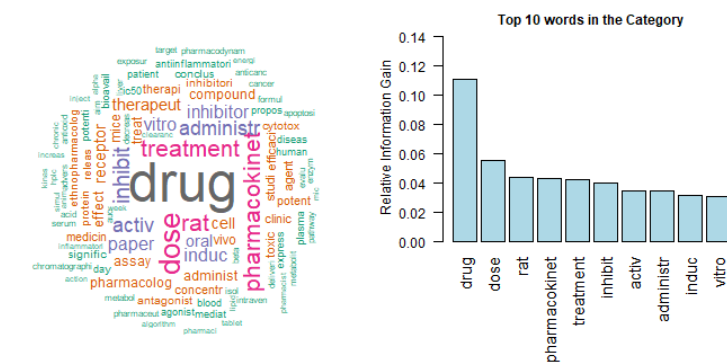


FIGURE 21. Pharmacology & Pharmacy

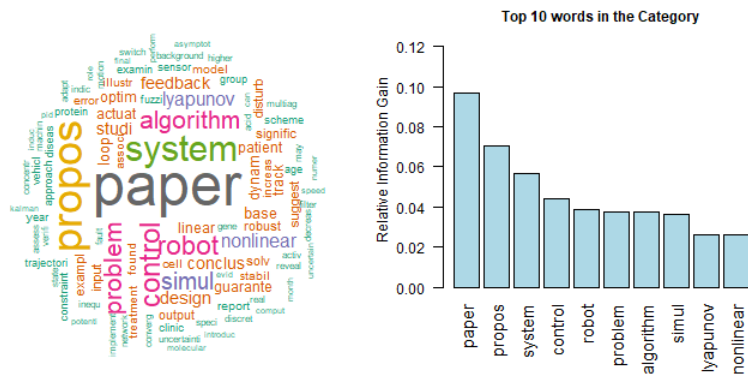


FIGURE 22. Automation & Control Systems

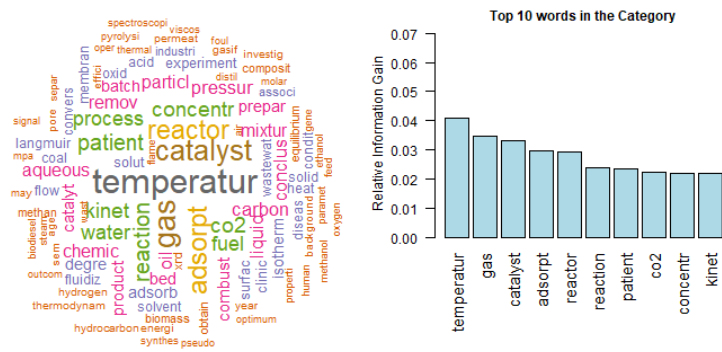


FIGURE 23. Engineering, Chemical

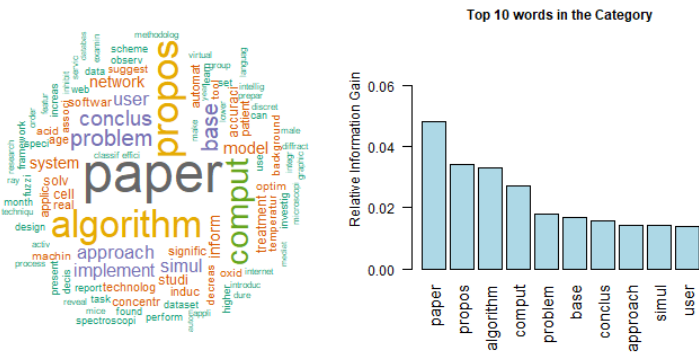


FIGURE 24. Computer Science, Interdisciplinary Applications



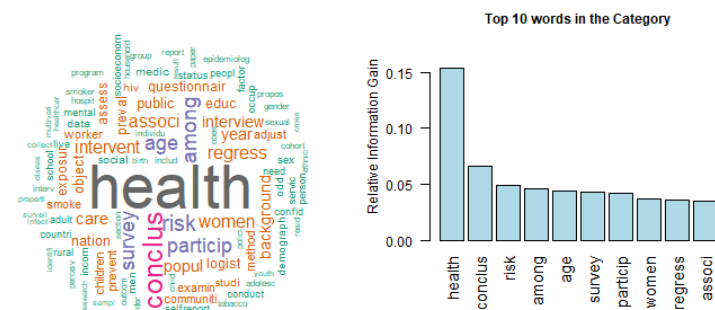


FIGURE 28. Public, Environmental & Occupational Health

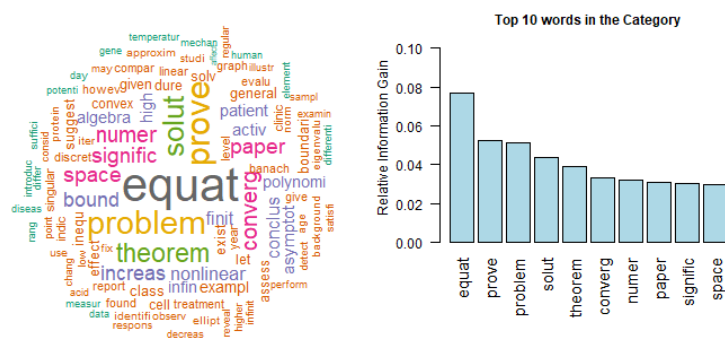


FIGURE 29. Mathematics

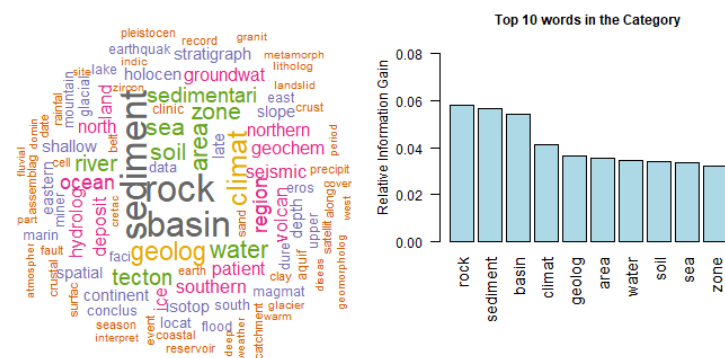


FIGURE 30. Geosciences, Multidisciplinary

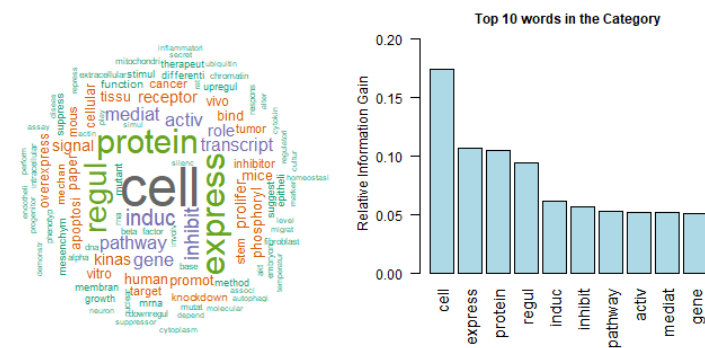


FIGURE 31. Cell Biology

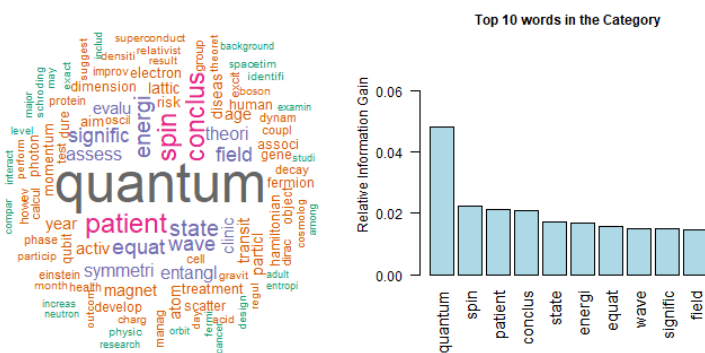


FIGURE 32. Physics, Multidisciplinary

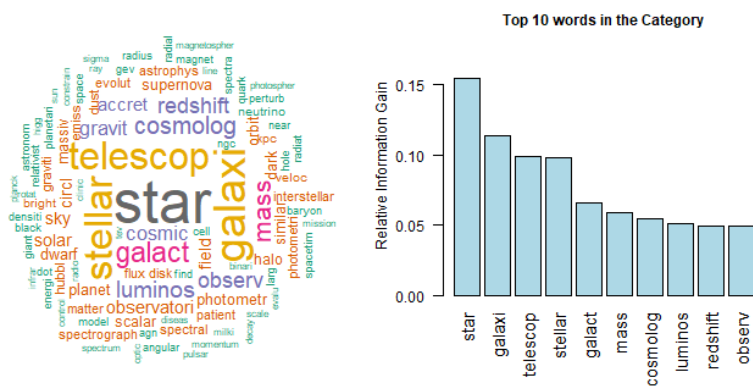


FIGURE 33. Astronomy & Astrophysics



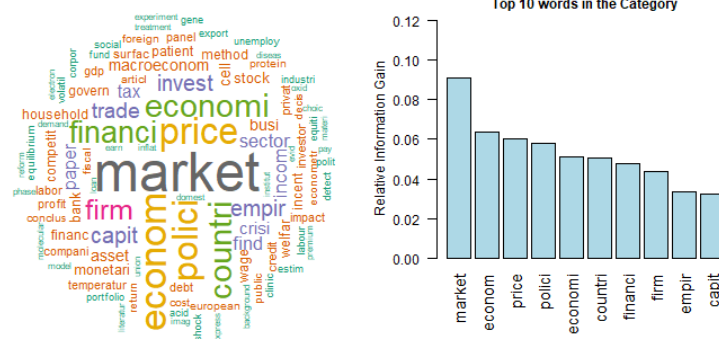


FIGURE 34. Economics

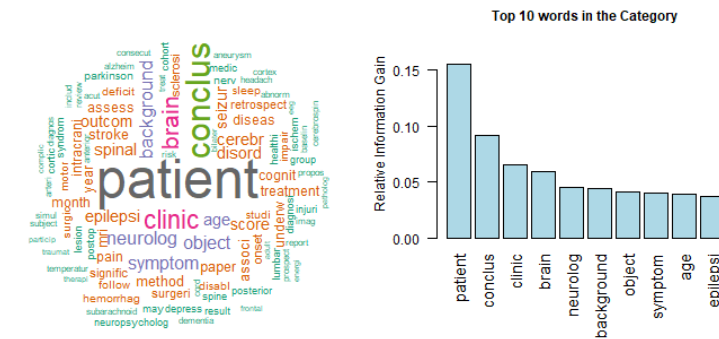


FIGURE 35. Clinical Neurology

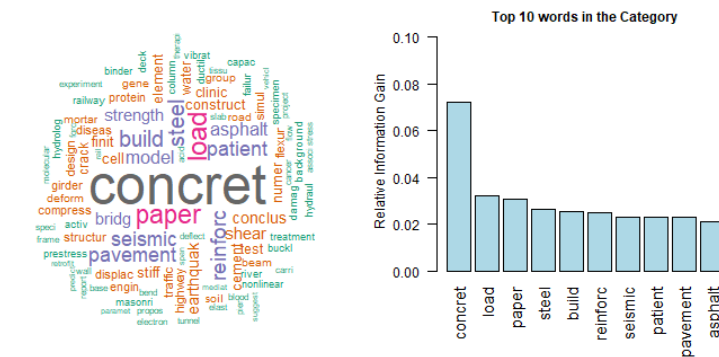


FIGURE 36. Engineering, Civil



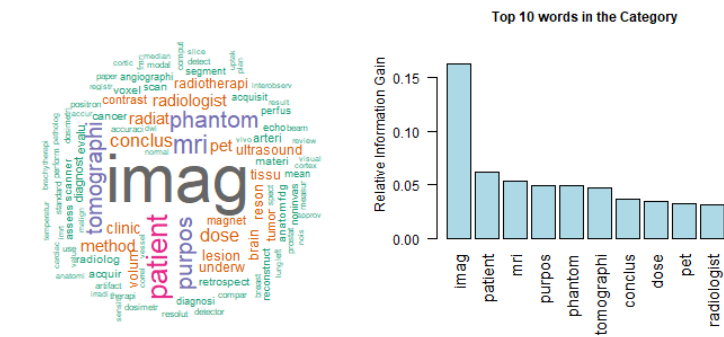


FIGURE 40. Radiology, Nuclear Medicine & Medical Imaging

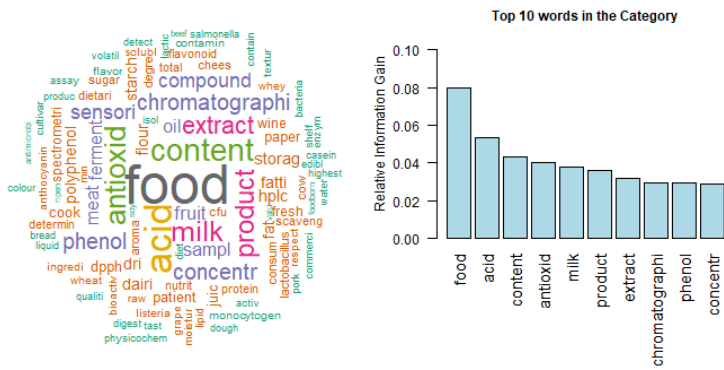


FIGURE 41. Food Science & Technology

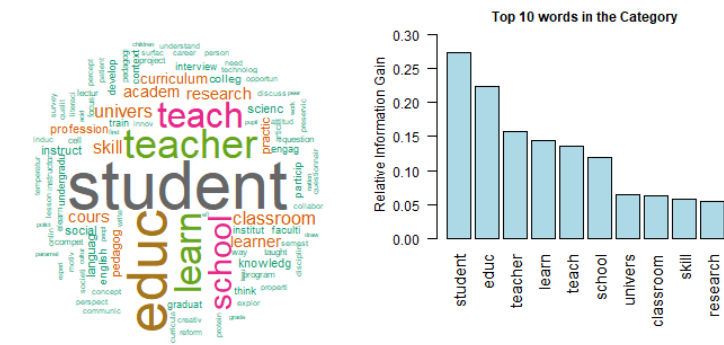


FIGURE 42. Education & Educational Research

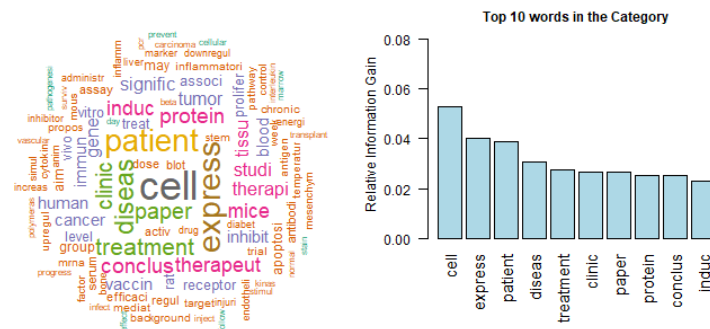


FIGURE 43. Medicine, Research & Experimental

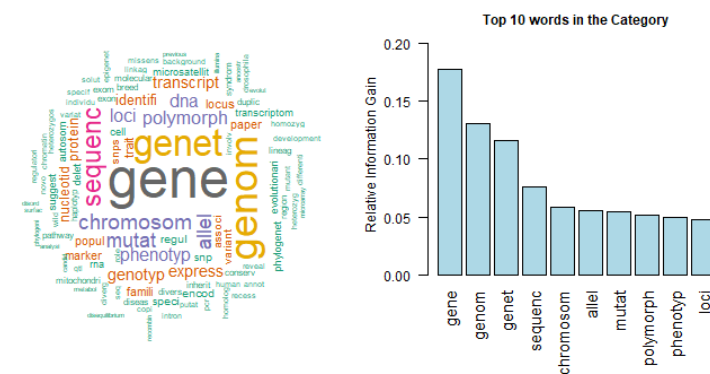


FIGURE 44. Genetics & Heredity

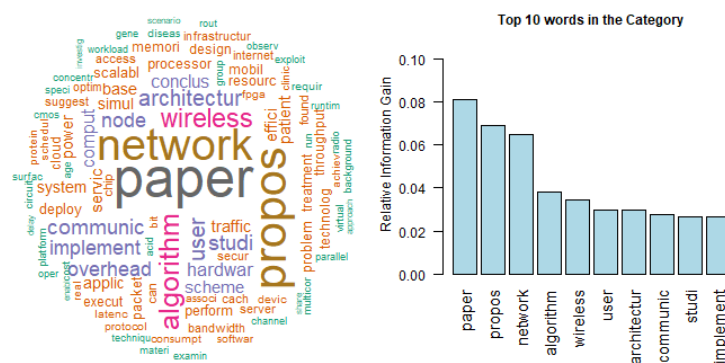


FIGURE 45. Computer Science, Hardware & Architecture

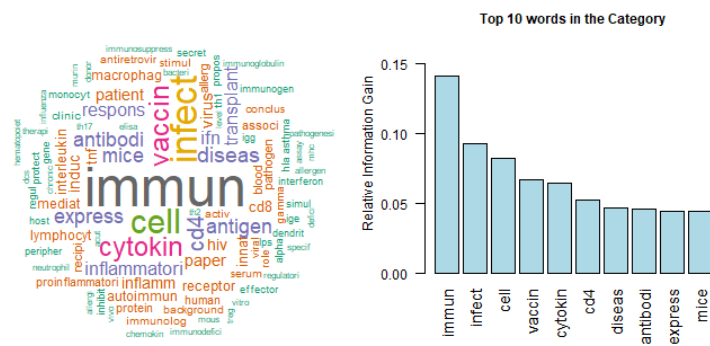


FIGURE 46. Immunology

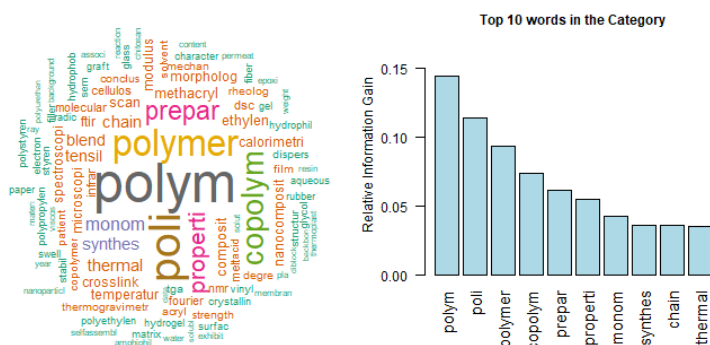


FIGURE 47. Polymer Science

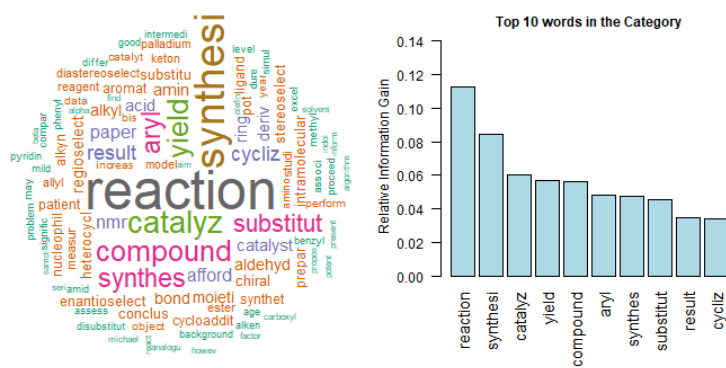


FIGURE 48. Chemistry, Organic

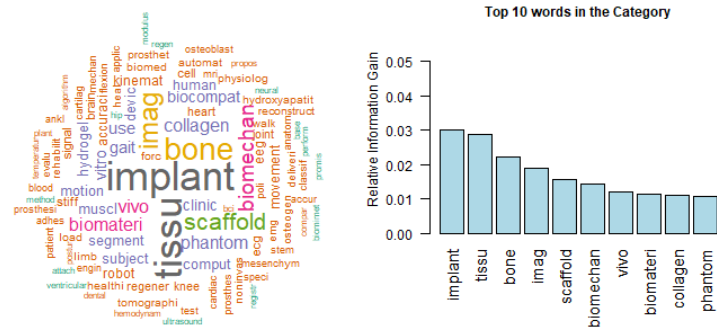


FIGURE 49. Engineering, Biomedical

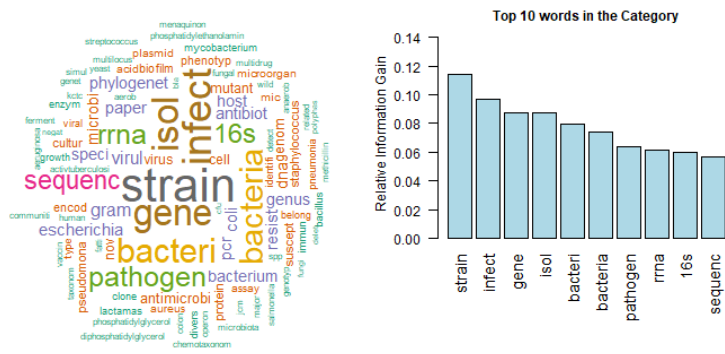


FIGURE 50. Microbiology

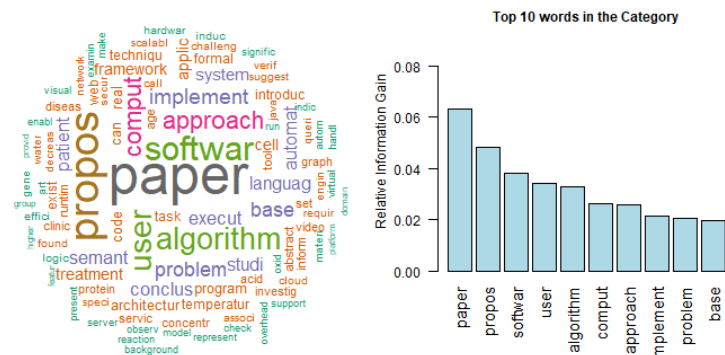


FIGURE 51. Computer Science, Software Engineering



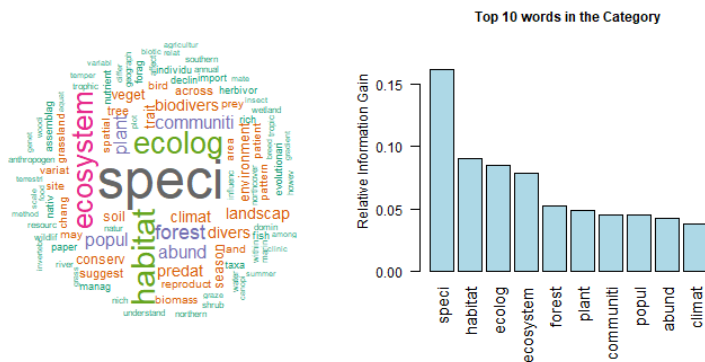


FIGURE 55. Ecology

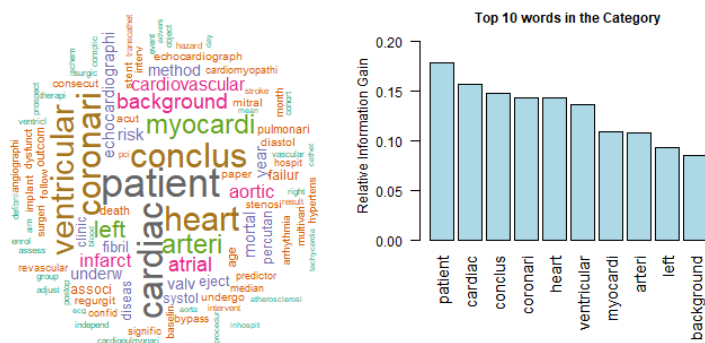


FIGURE 56. Cardiac & Cardiovascular Systems

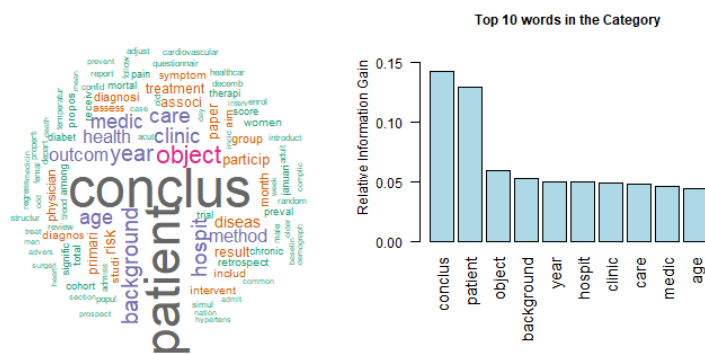


FIGURE 57. Medicine, General & Internal



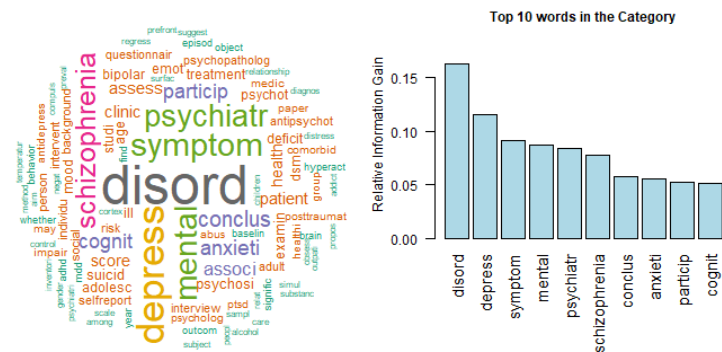


FIGURE 58. Psychiatry

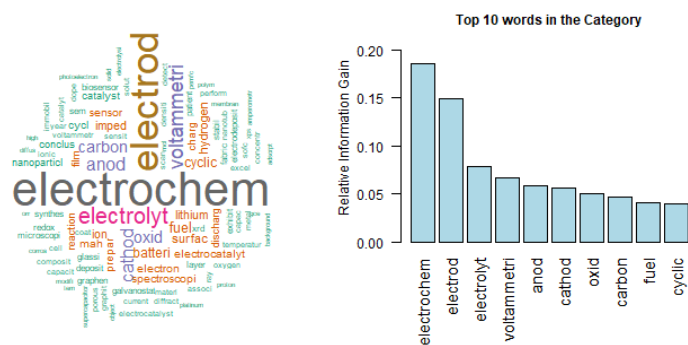


FIGURE 59. Electrochemistry

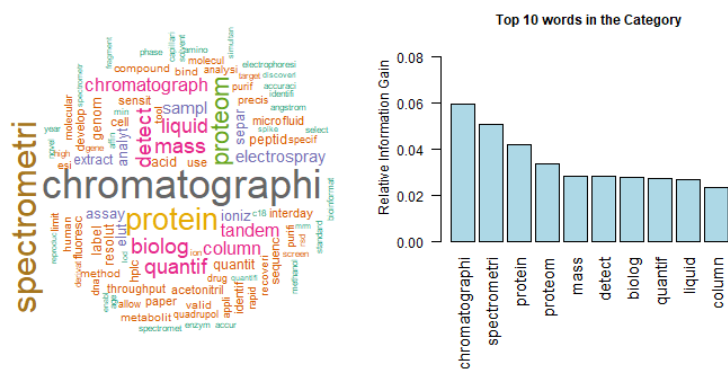


FIGURE 60. Biochemical Research Methods

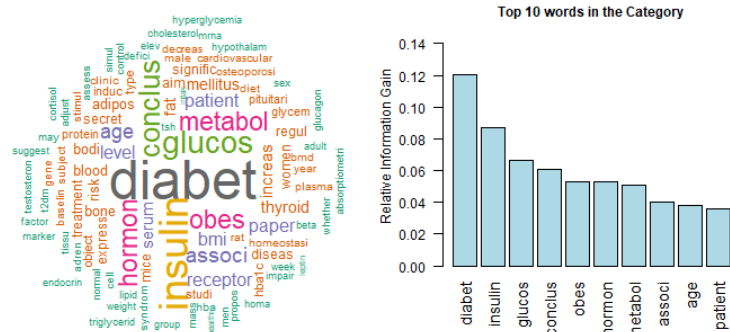


FIGURE 61. Endocrinology & Metabolism

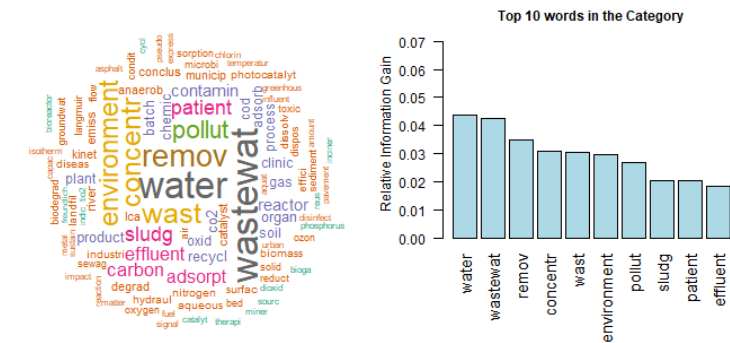


FIGURE 62. Engineering, Environmental

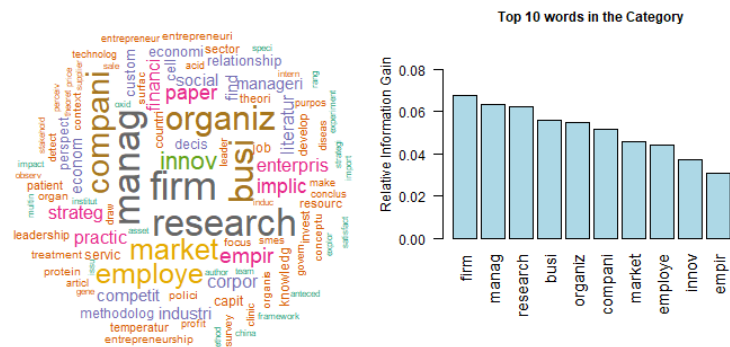


FIGURE 63. Management



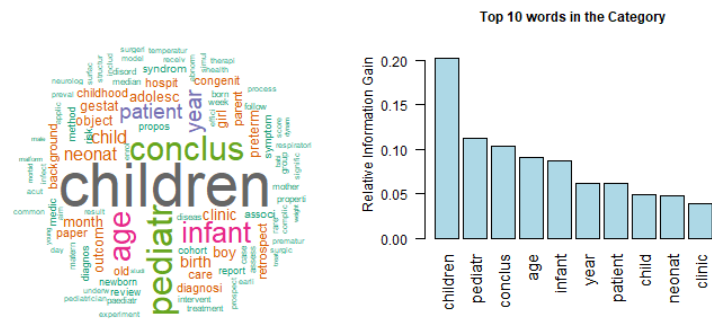


FIGURE 67. Pediatrics

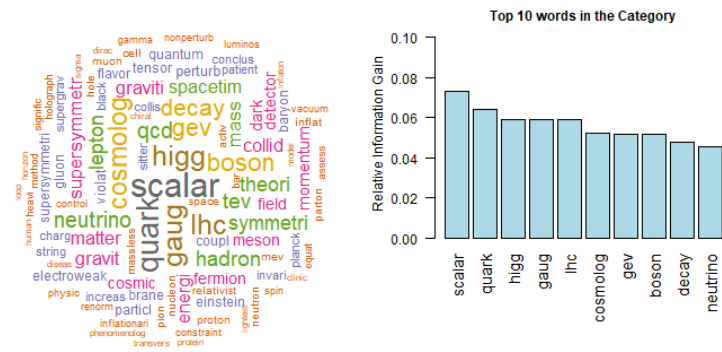


FIGURE 68. Physics, Particles & Fields

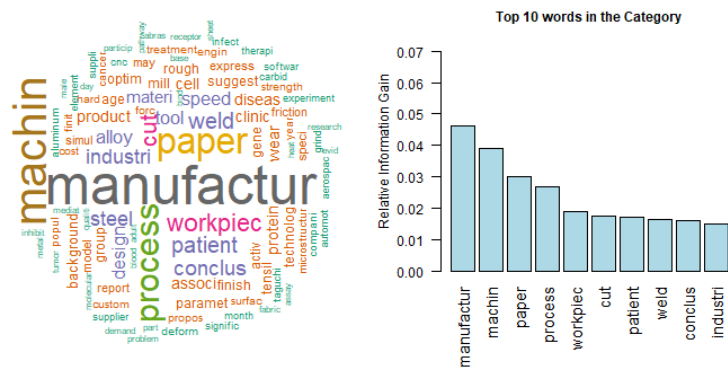


FIGURE 69. Engineering, Manufacturing

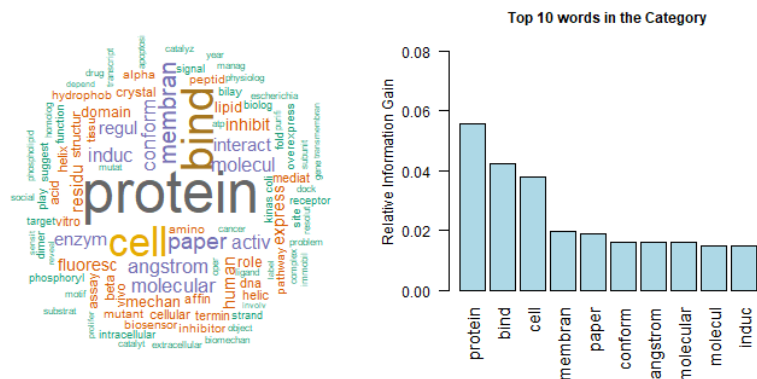


FIGURE 70. Biophysics

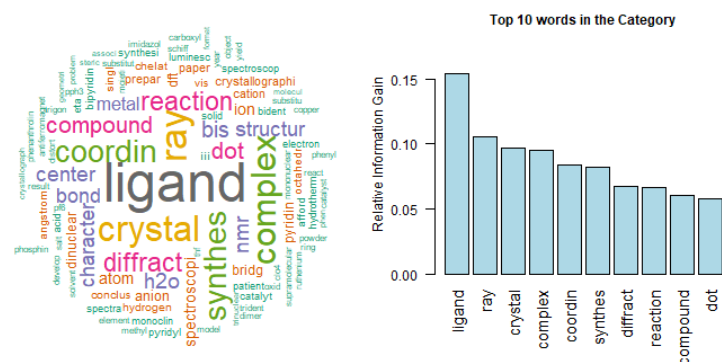


FIGURE 71. Chemistry, Inorganic & Nuclear

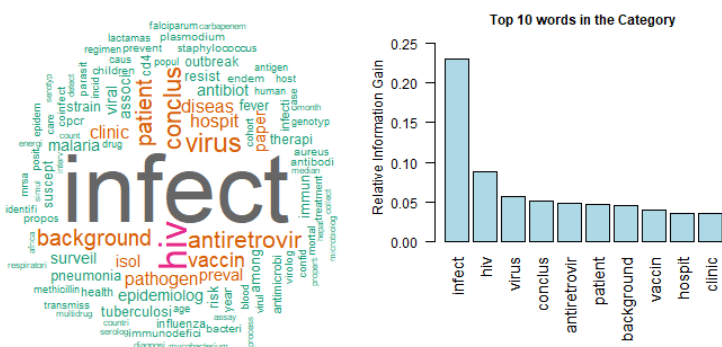


FIGURE 72. Infectious Diseases



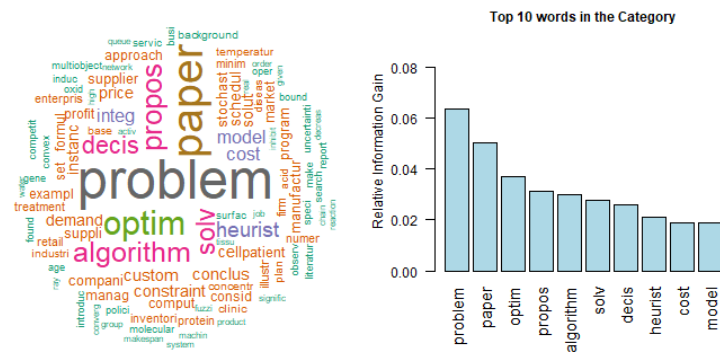


FIGURE 76. Operations Research &amp; Management Science

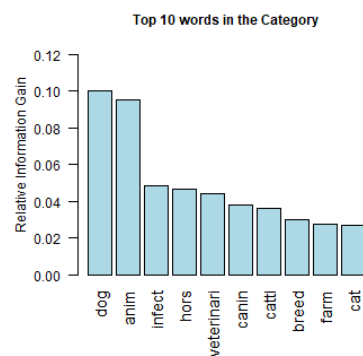
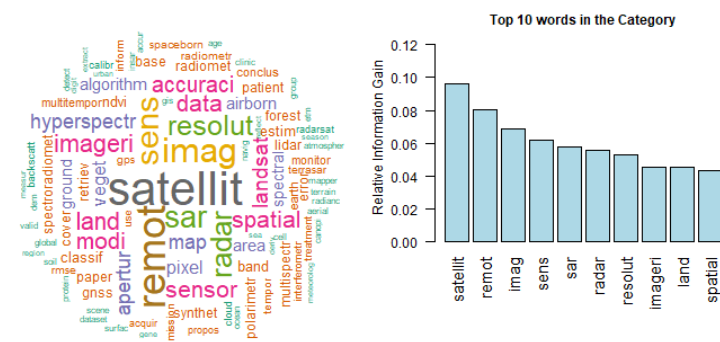


FIGURE 77. Veterinary Sciences



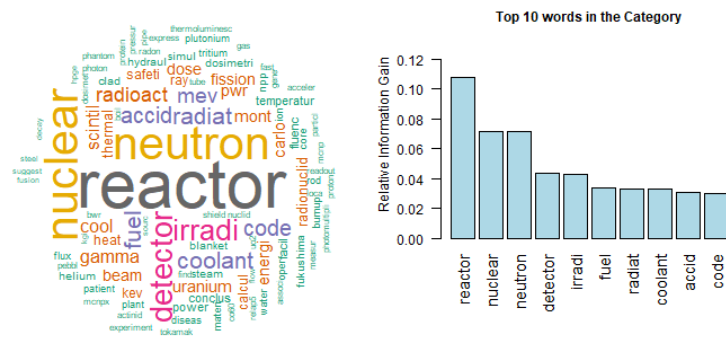


FIGURE 79. Nuclear Science & Technology

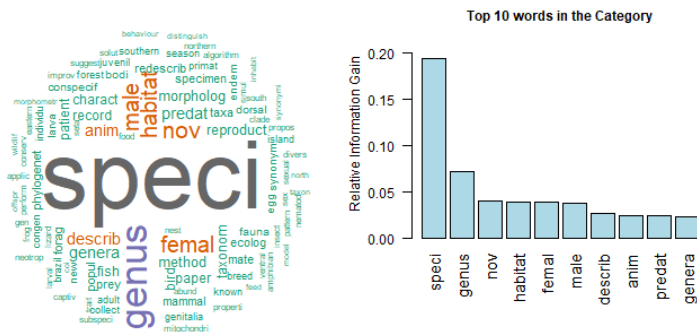


FIGURE 80. Zoology

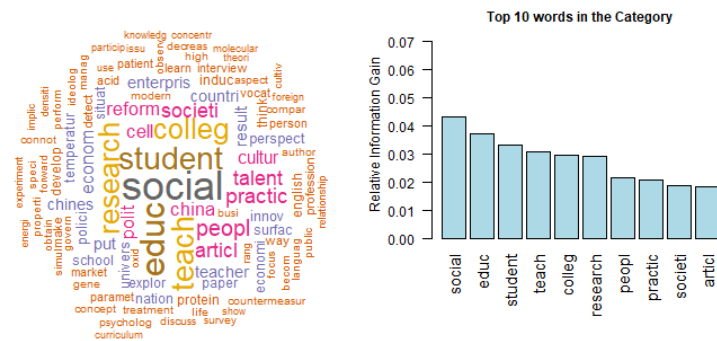


FIGURE 81. Social Sciences, Interdisciplinary



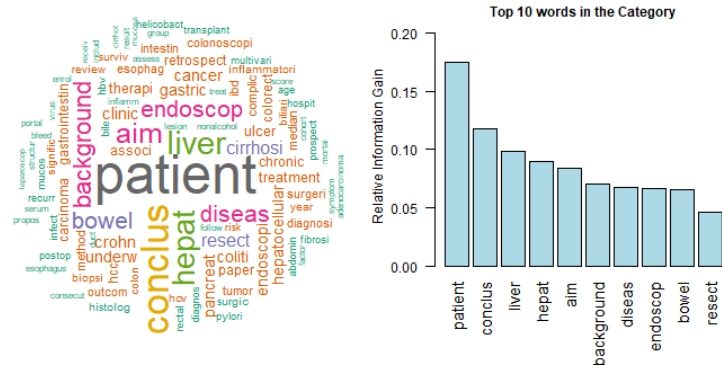


FIGURE 82. Gastroenterology & Hepatology

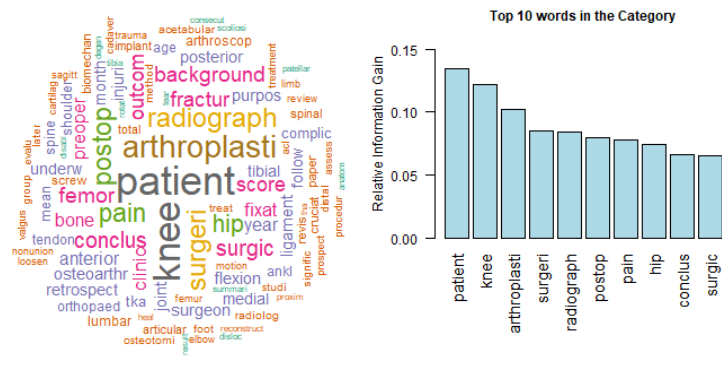


FIGURE 83. Orthopedics

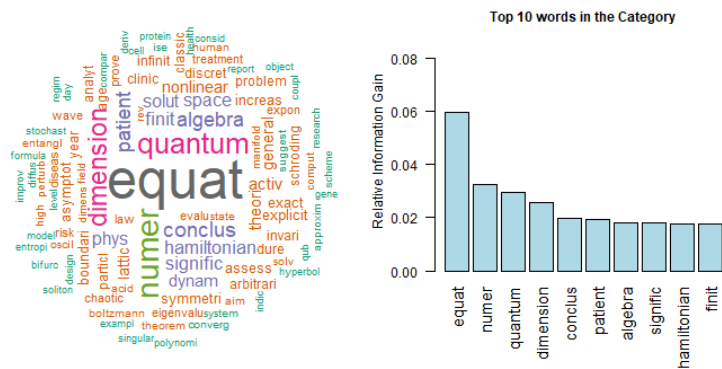


FIGURE 84. Physics, Mathematical







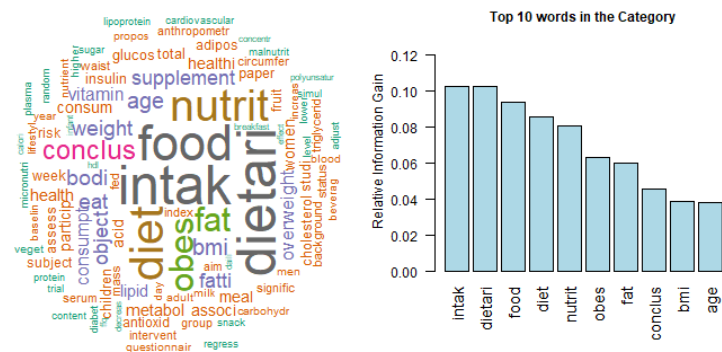


FIGURE 94. Nutrition & Dietetics

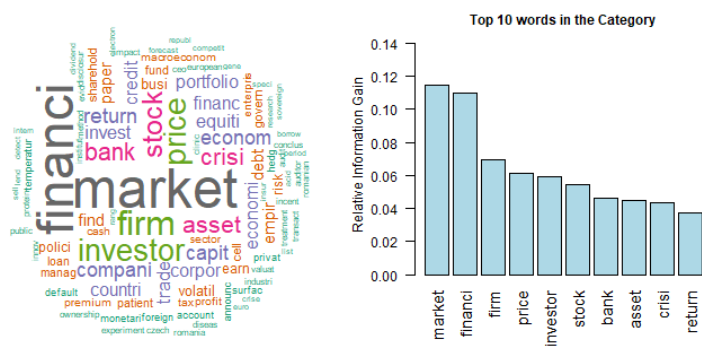


FIGURE 95. Business

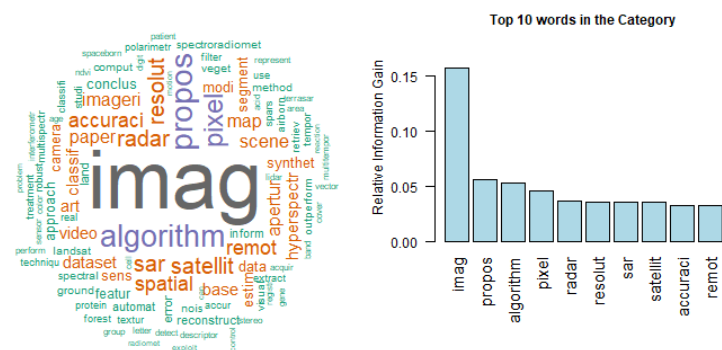


FIGURE 96. Imaging Science & Photographic Technology

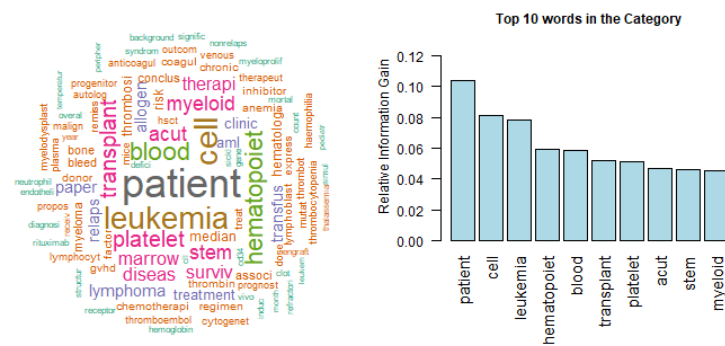


FIGURE 97. Hematology

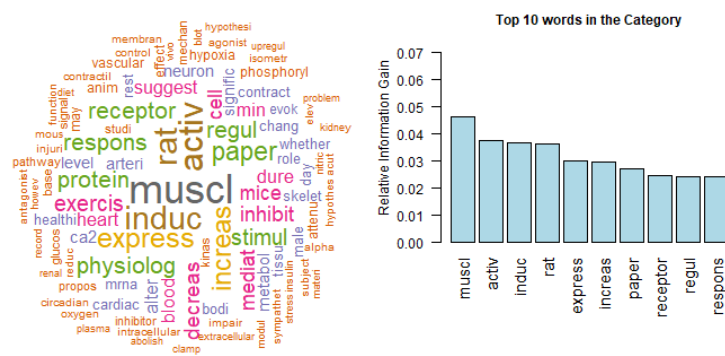


FIGURE 98. Physiology

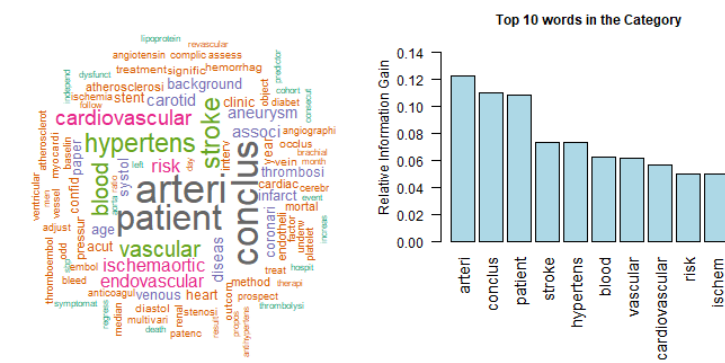


FIGURE 99. Peripheral Vascular Disease

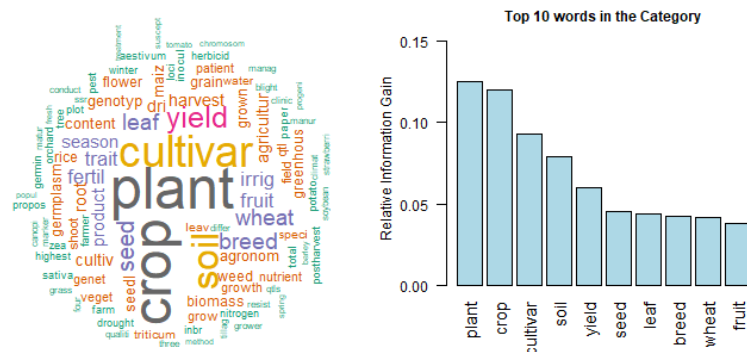


FIGURE 100. Agronomy

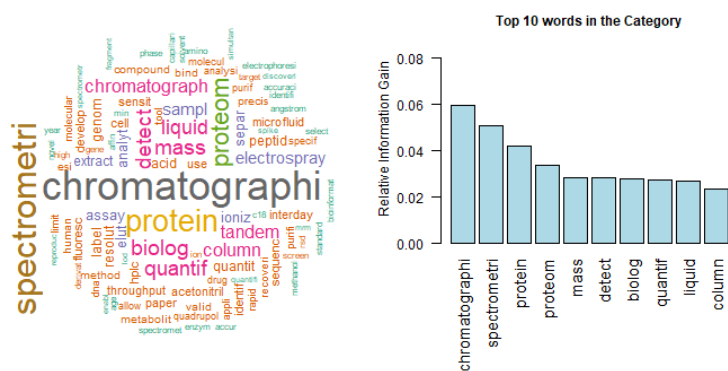


FIGURE 101. Dentistry, Oral Surgery & Medicine

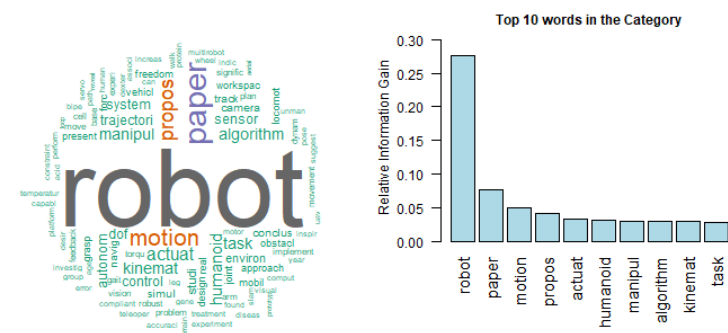


FIGURE 102. Robotics

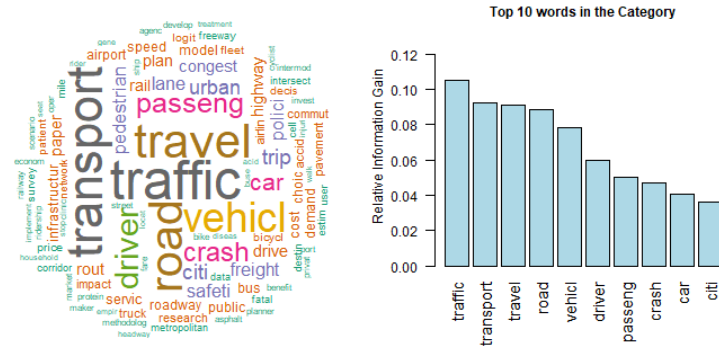


FIGURE 103. Transportation Science & Technology

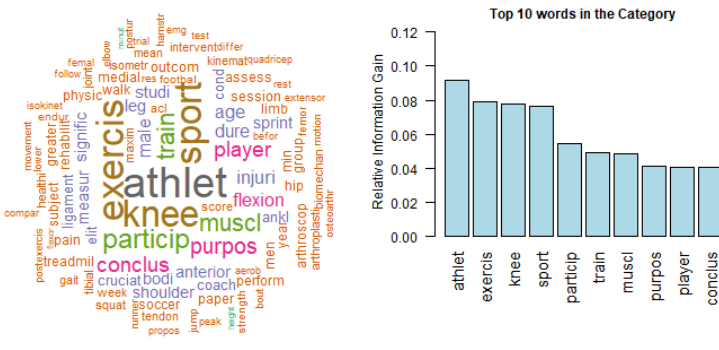


FIGURE 104. Sport Sciences

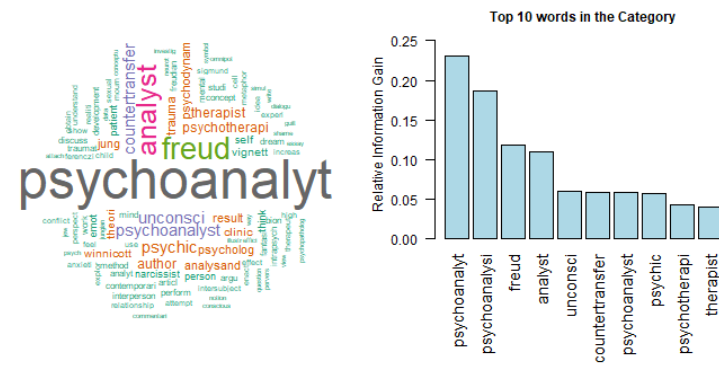


FIGURE 105. Psychology, Multidisciplinary



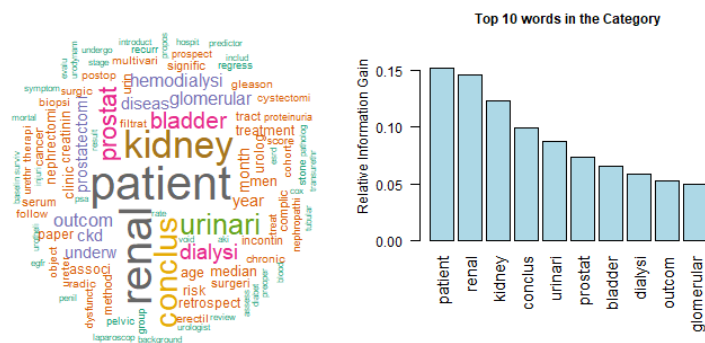


FIGURE 106. Urology & Nephrology

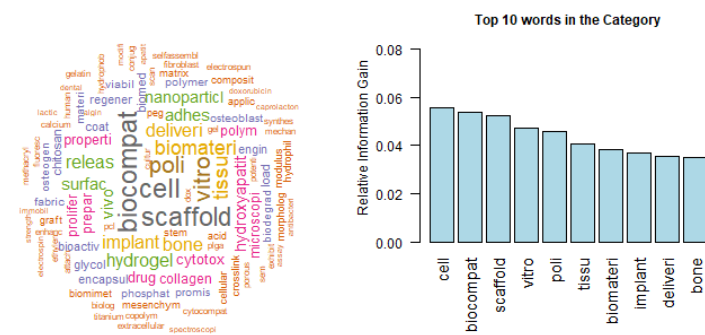


FIGURE 107. Materials Science, Biomaterials

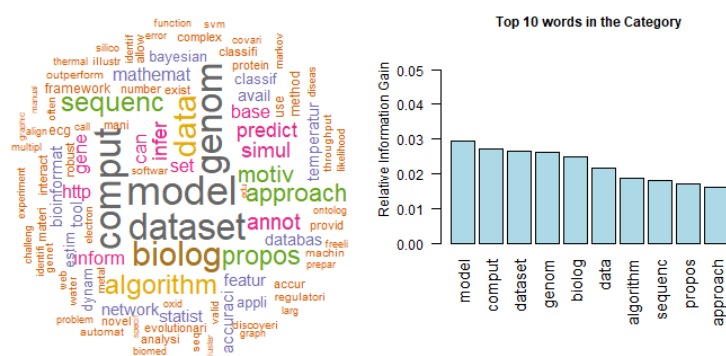


FIGURE 108. Mathematical & Computational Biology



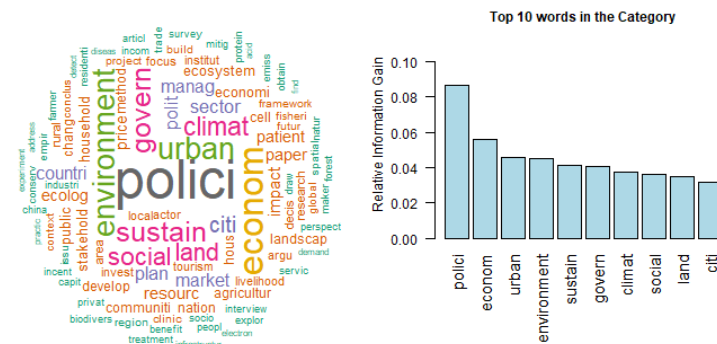


FIGURE 112. Environmental Studies

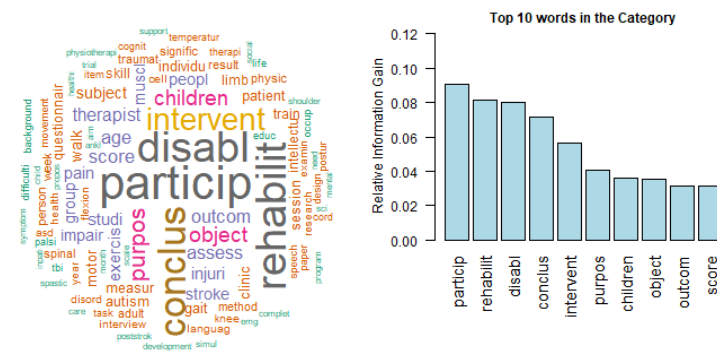


FIGURE 113. Rehabilitation

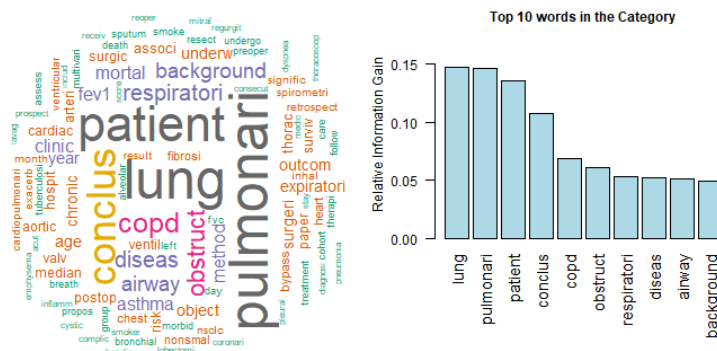


FIGURE 114. Respiratory Systems

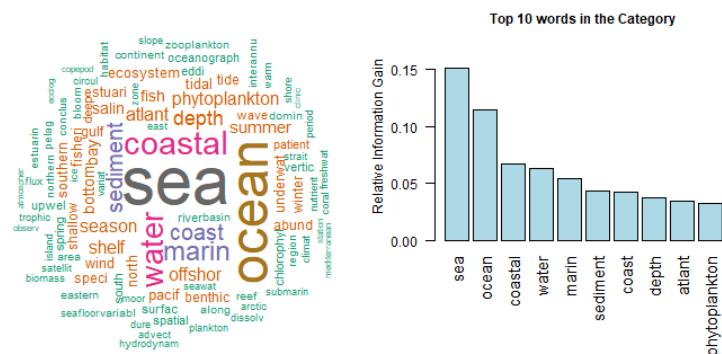


FIGURE 115. Oceanography

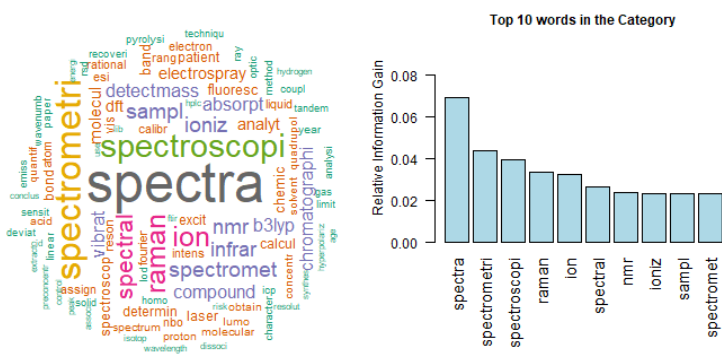


FIGURE 116. Spectroscopy

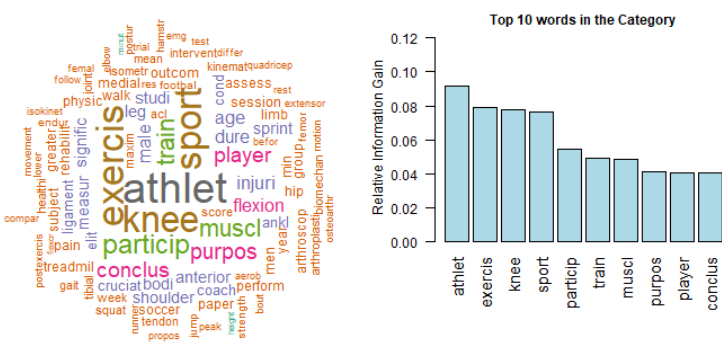


FIGURE 117. Materials Science, Coatings & Films

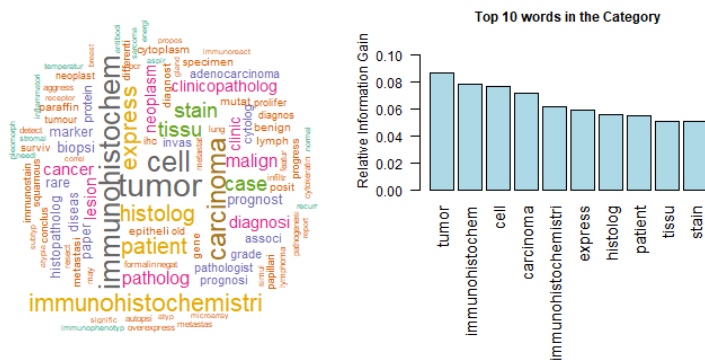


FIGURE 118. Pathology

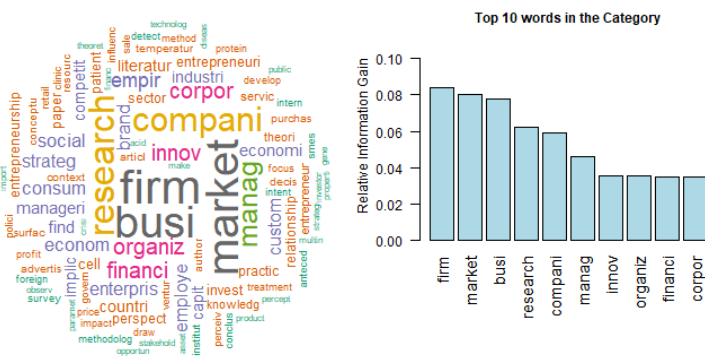


FIGURE 119. Business, Finance

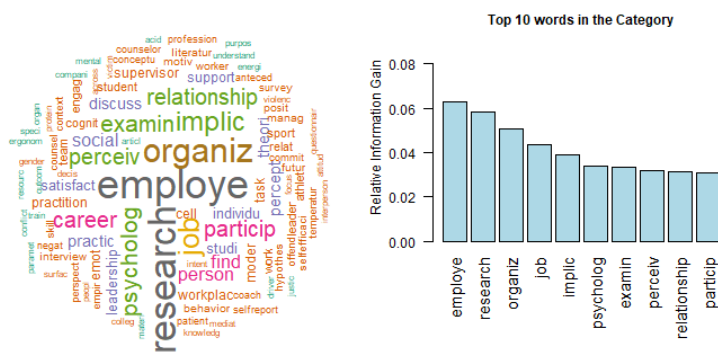


FIGURE 120. Psychology

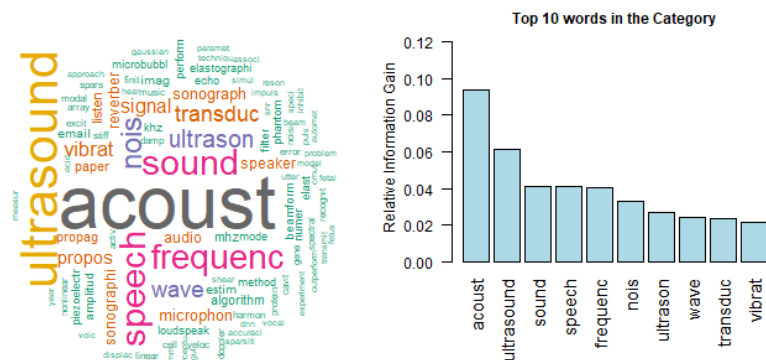


FIGURE 121. Acoustics

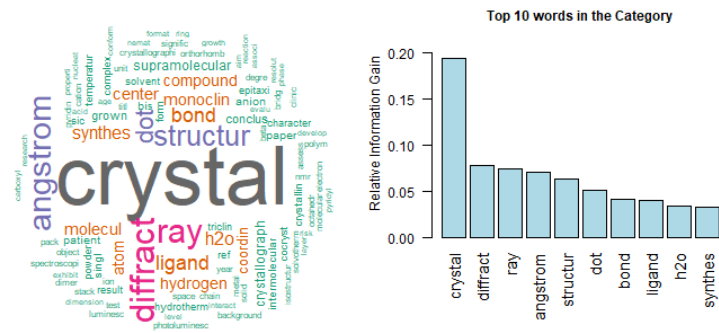


FIGURE 122. Crystallography

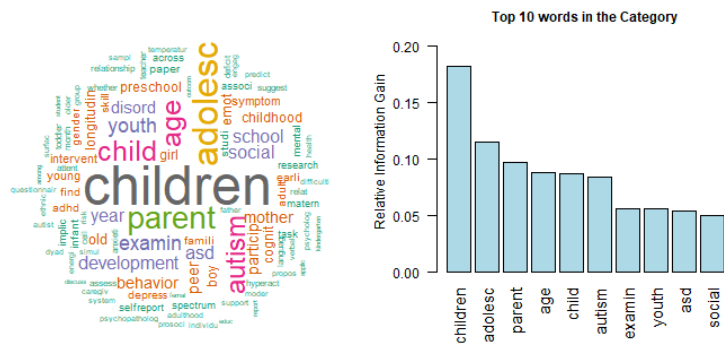


FIGURE 123. Psychology, Clinical







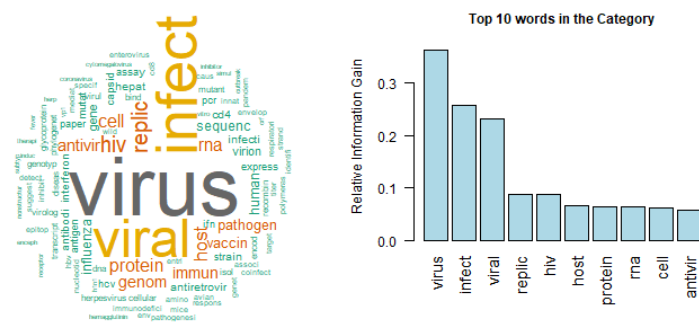


FIGURE 130. Virology

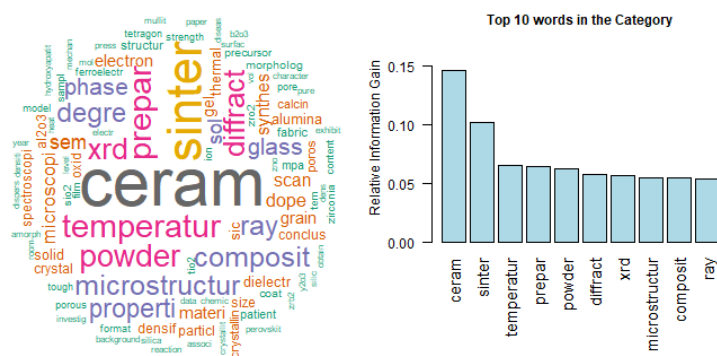


FIGURE 131. Material Science, Ceramics

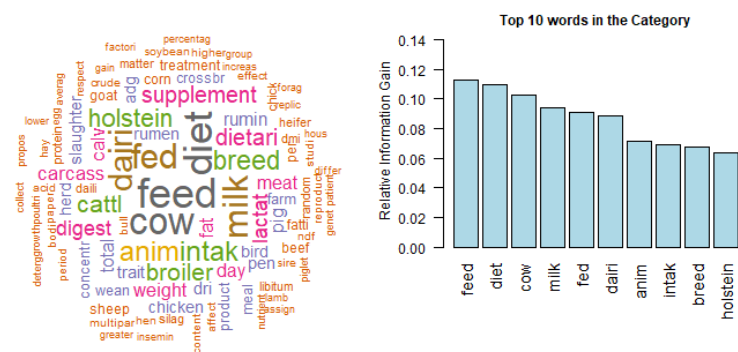


FIGURE 132. Agriculture, Dairy & Animal Science

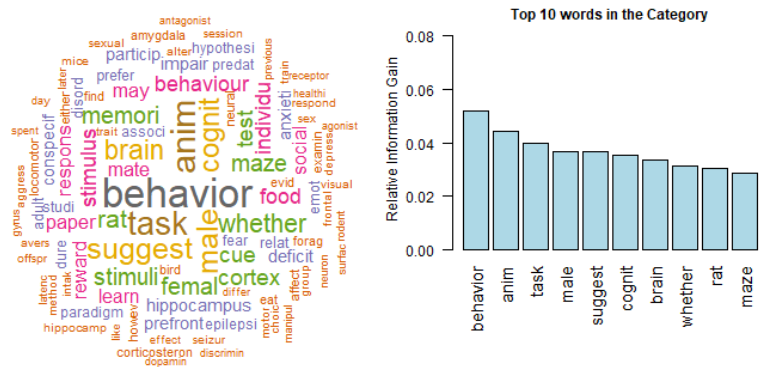


FIGURE 133. Behavioral Sciences

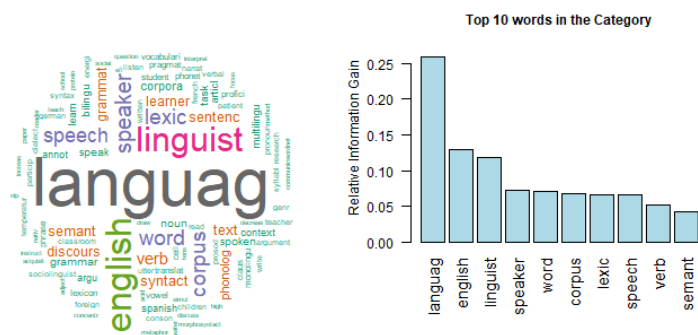


FIGURE 134. Linguistics

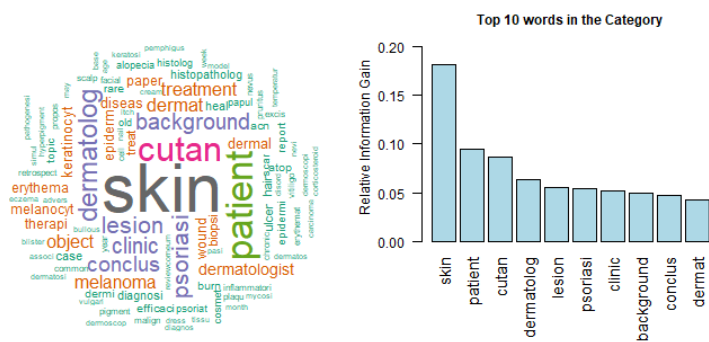


FIGURE 135. Dermatology

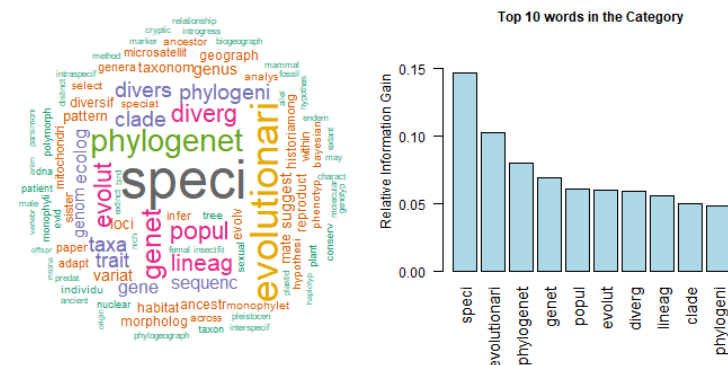


FIGURE 136. Evolutionary Biology

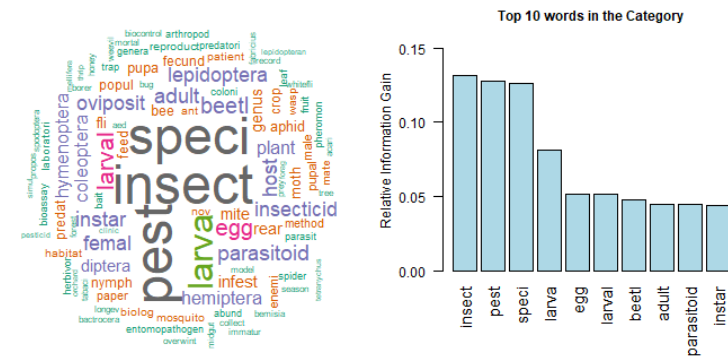


FIGURE 137. Entomology

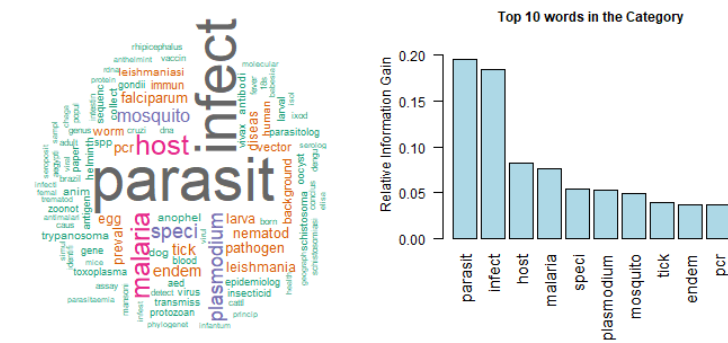


FIGURE 138. Parasitology

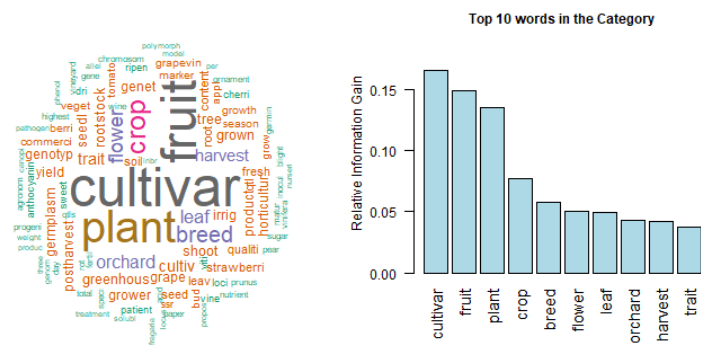


FIGURE 139. Horticulture

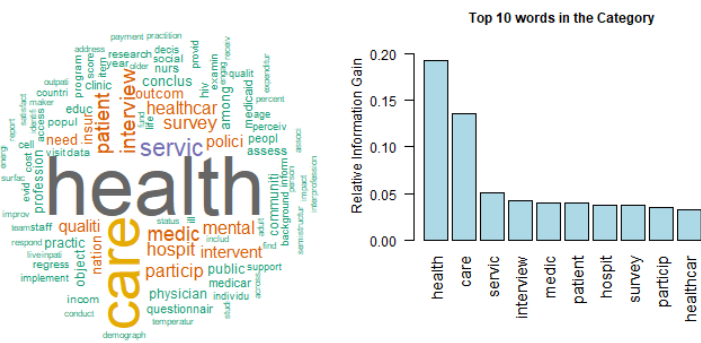


FIGURE 140. Health Policy & Services

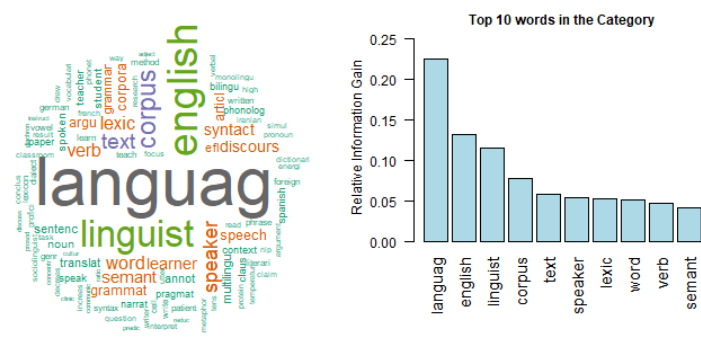


FIGURE 141. Language & Linguistics

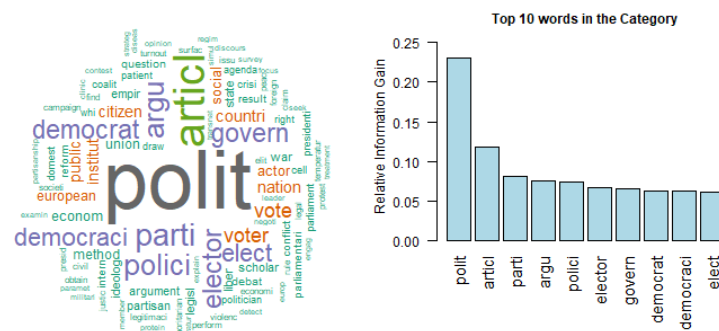


FIGURE 142. Political Science

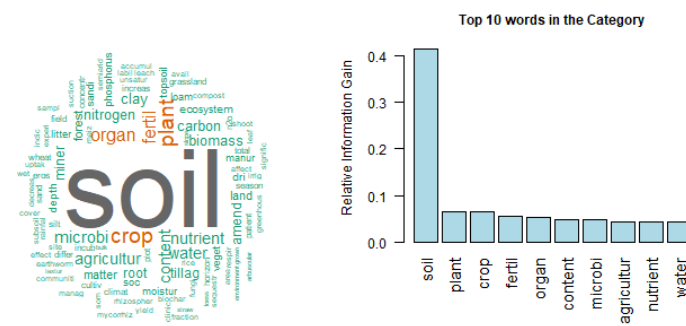


FIGURE 143. Soil Science

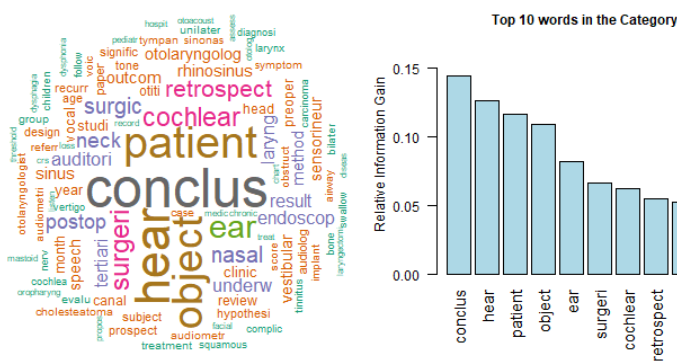


FIGURE 144. Otorhinolaryngology



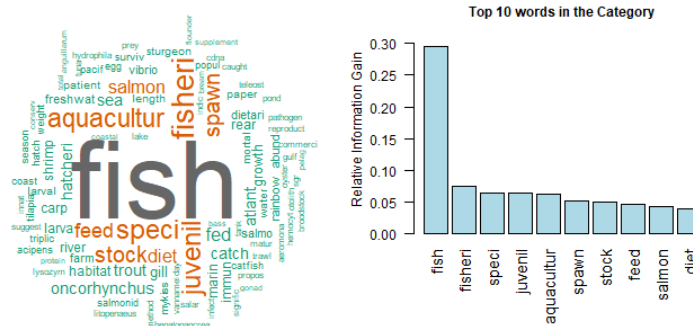


FIGURE 148. Fisheries

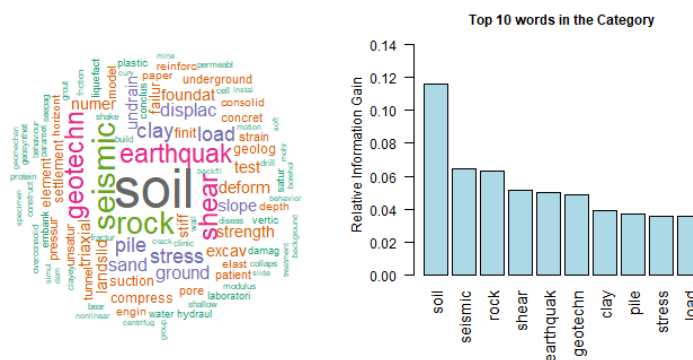


FIGURE 149. Engineering, Geological

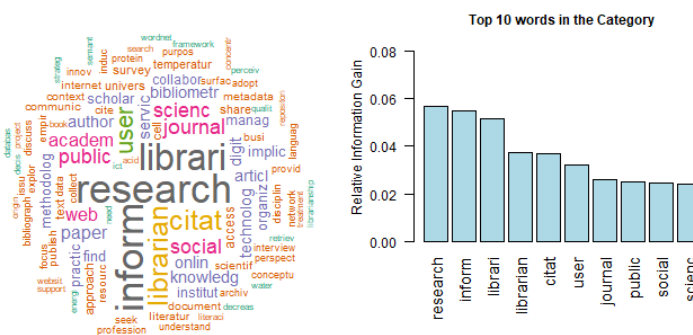


FIGURE 150. Information Science & Library Science

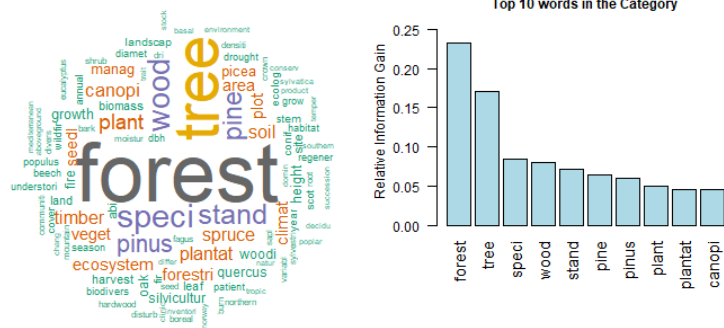


FIGURE 151. Forestry

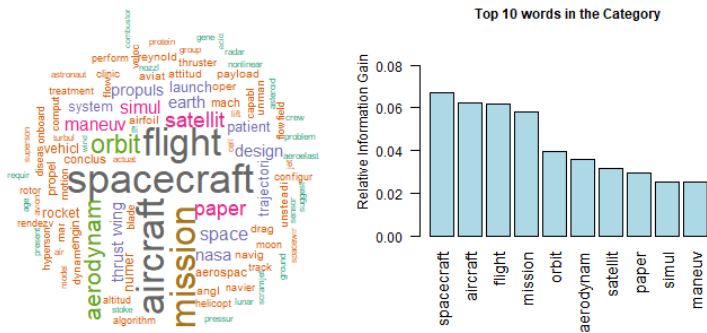


FIGURE 152. Engineering, Aerospace

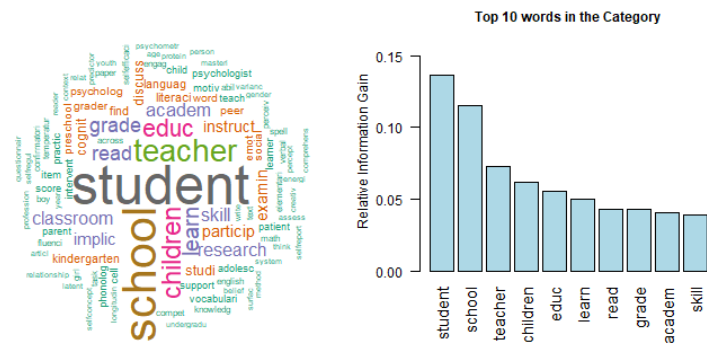


FIGURE 153. Psychology, Developmental



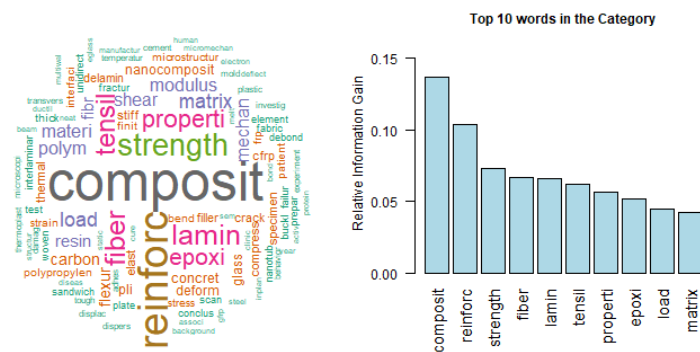


FIGURE 154. Materials Science, Composites

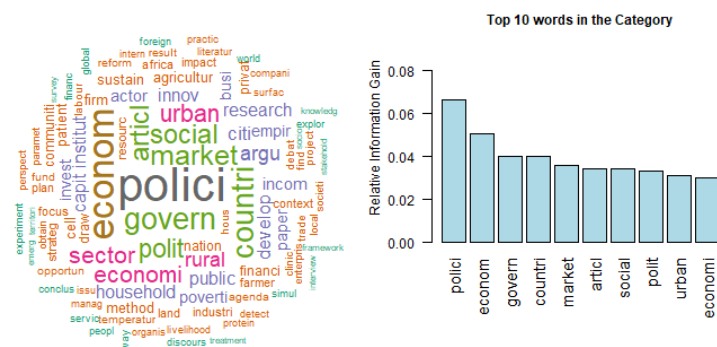


FIGURE 155. Planning & Development

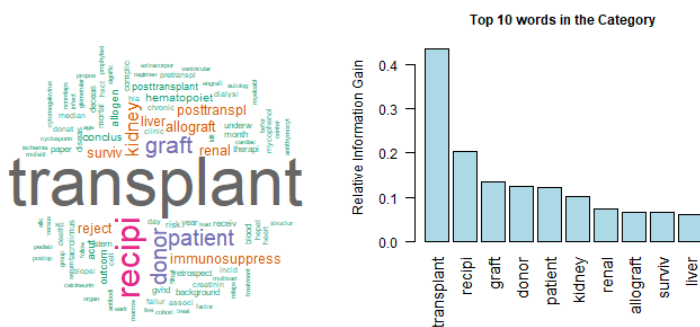


FIGURE 156. Transplantation

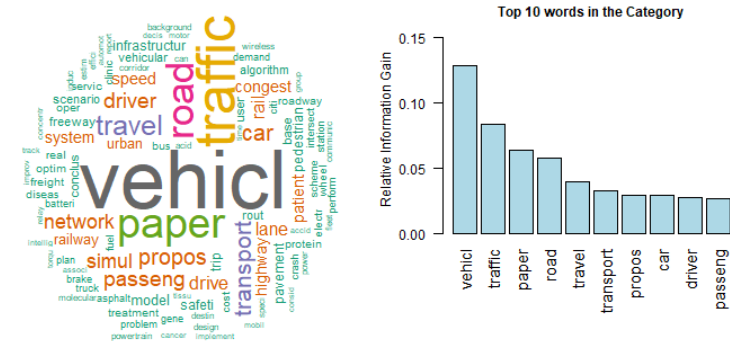


FIGURE 157. Transportation

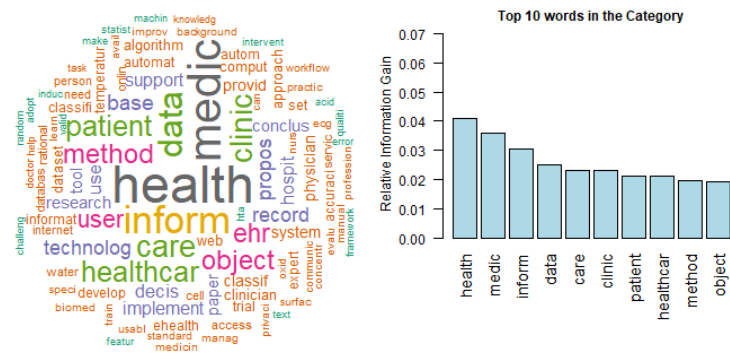


FIGURE 158. Medical Informatics

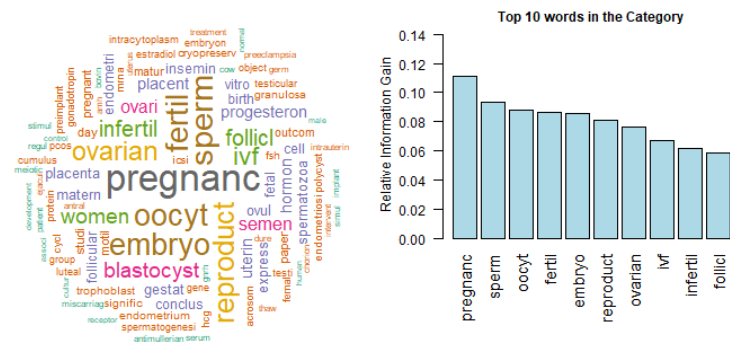


FIGURE 159. Reproductive Biology



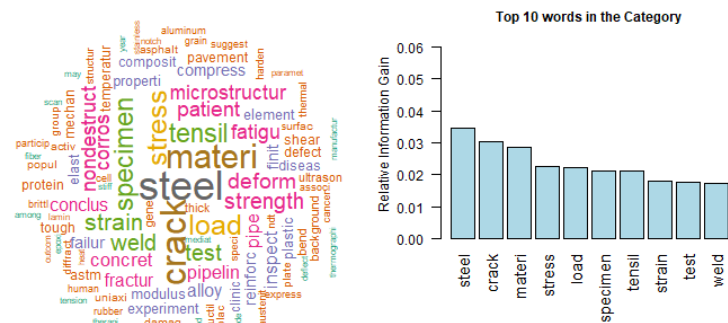


FIGURE 163. Materials Science, Characterization & Testing

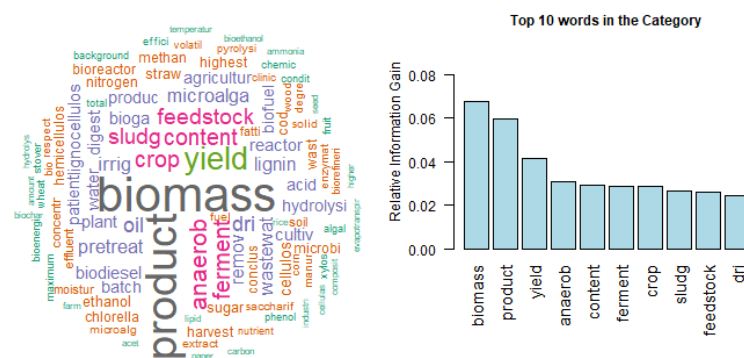


FIGURE 164. Agricultural Engineering

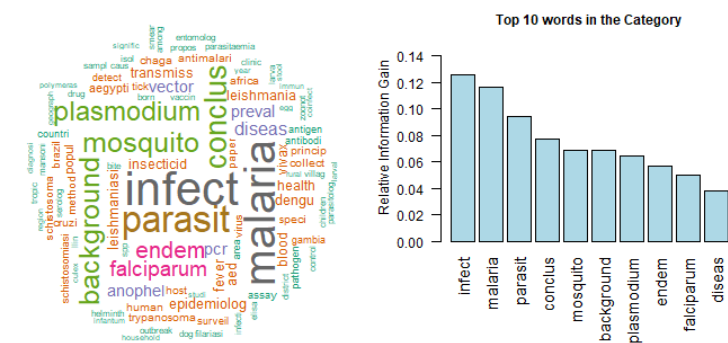


FIGURE 165. Tropical Medicine

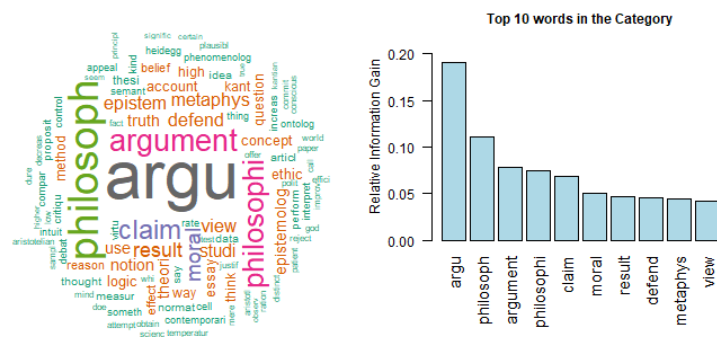


FIGURE 166. Philosophy

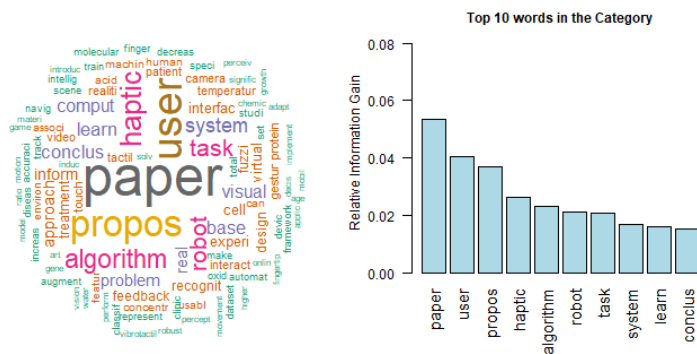


FIGURE 167. Computer Science, Cybernetics

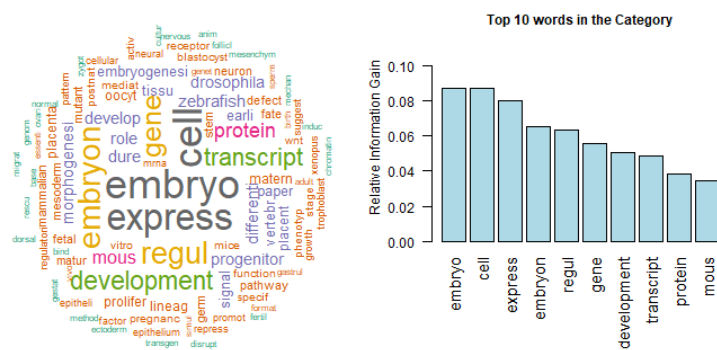


FIGURE 168. Developmental Biology

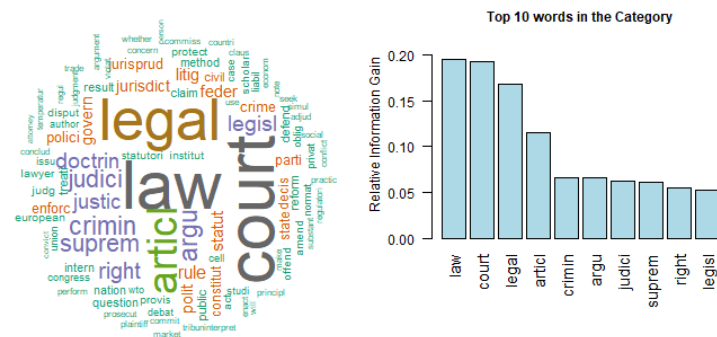


FIGURE 169. Law

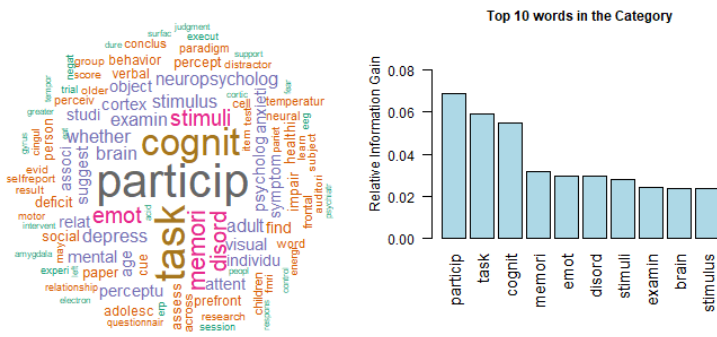


FIGURE 170. Psychology, Social

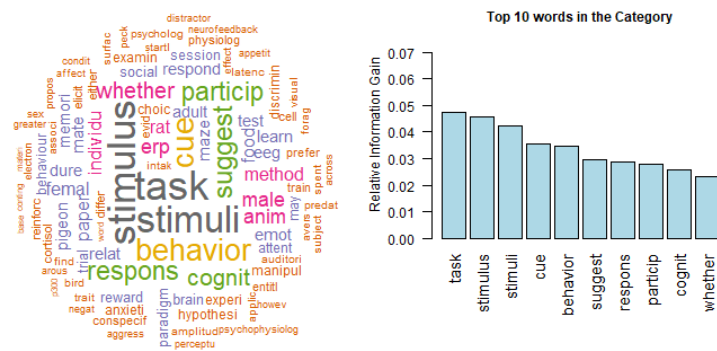
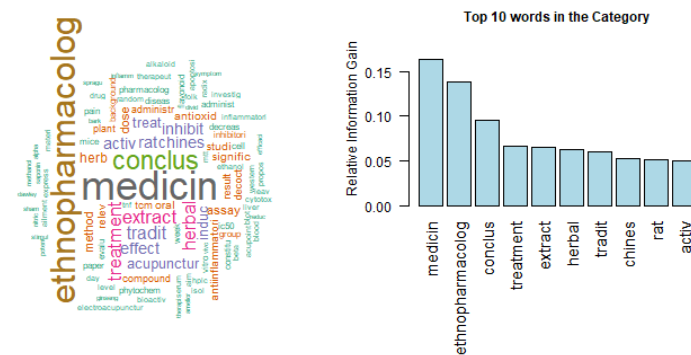
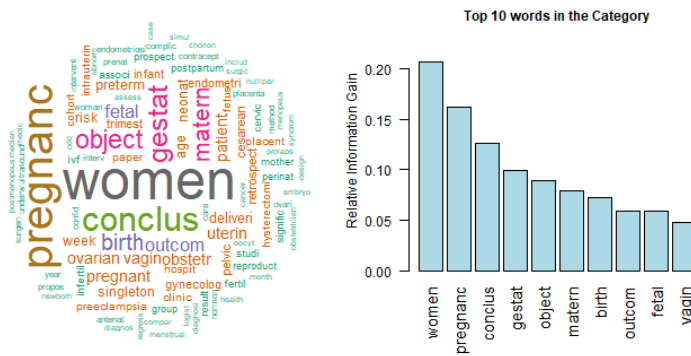
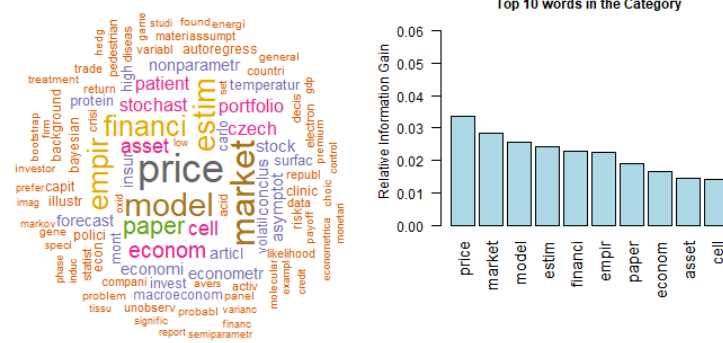


FIGURE 171. Psychology, Applied



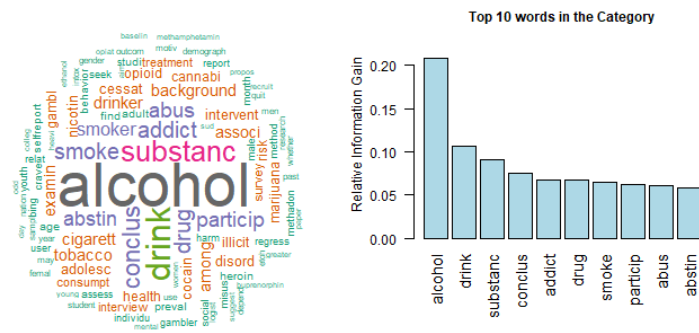


FIGURE 175. Substance Abuse

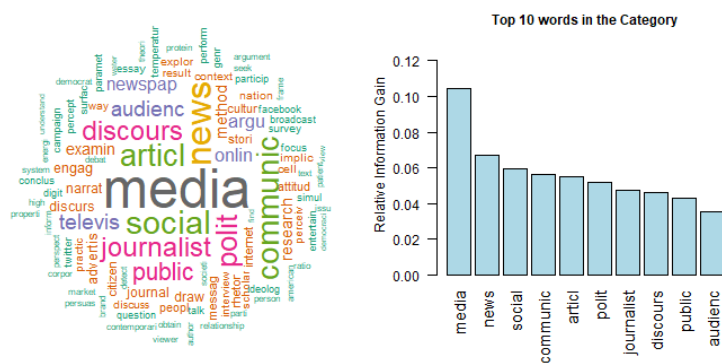


FIGURE 176. Communication

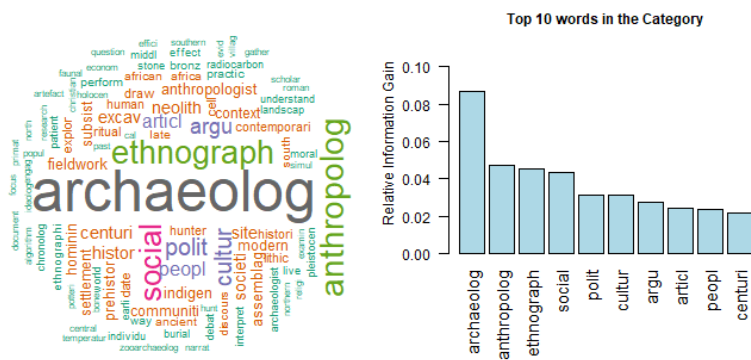


FIGURE 177. Anthropology



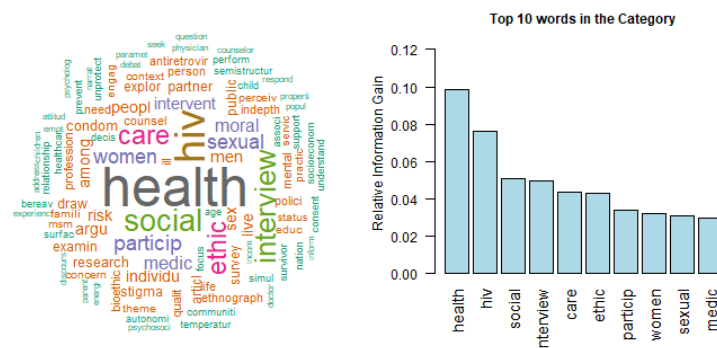


FIGURE 178. Social Sciences, Biomedical

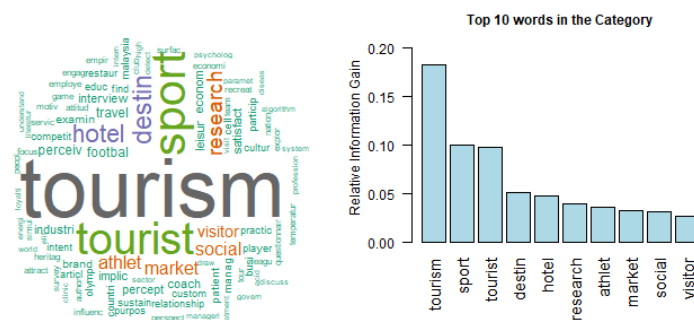


FIGURE 179. Hospitality, Leisure, Sport & Tourism

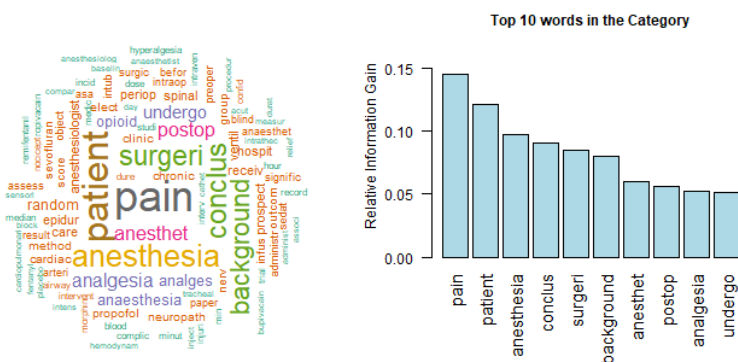


FIGURE 180. Anesthesiology

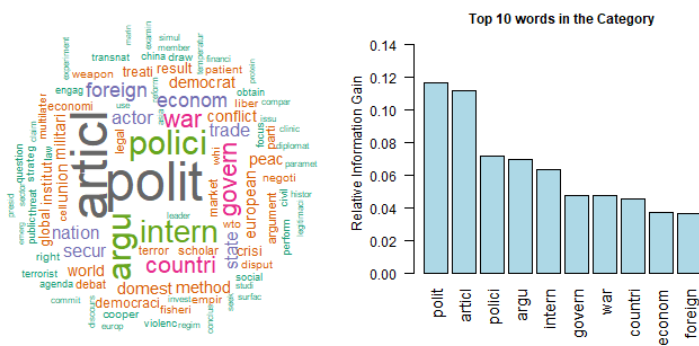


FIGURE 181. International Relations

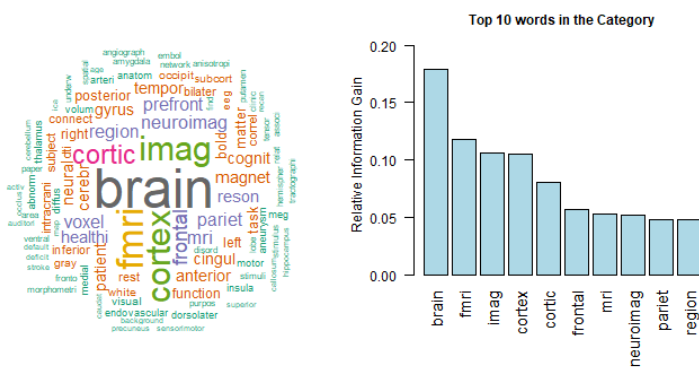


FIGURE 182. Neuroimaging

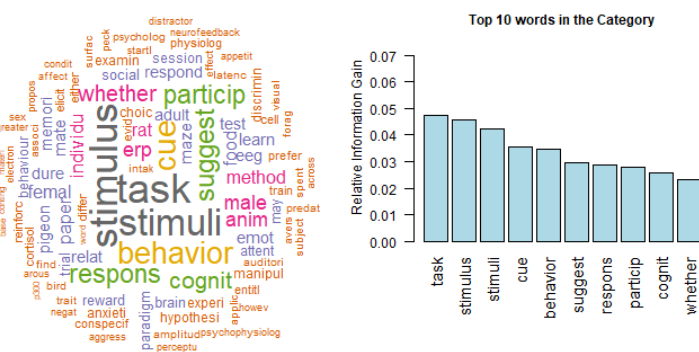


FIGURE 183. Mining & Mineral Processing

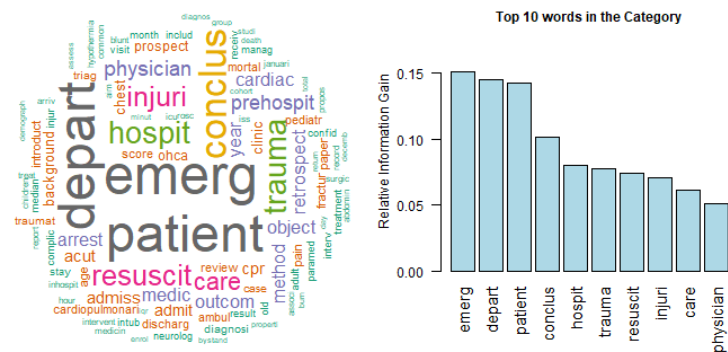


FIGURE 184. Emergency Medicine

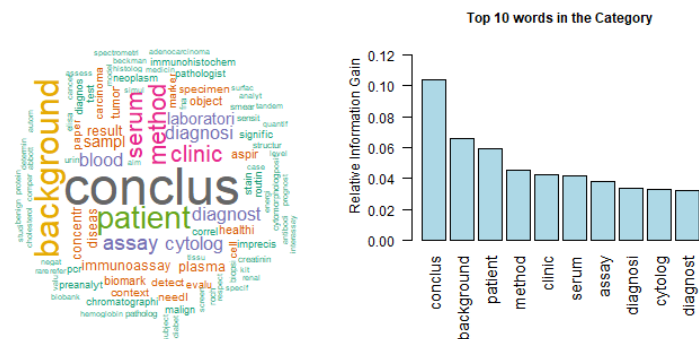


FIGURE 185. Medical Laboratory Technology

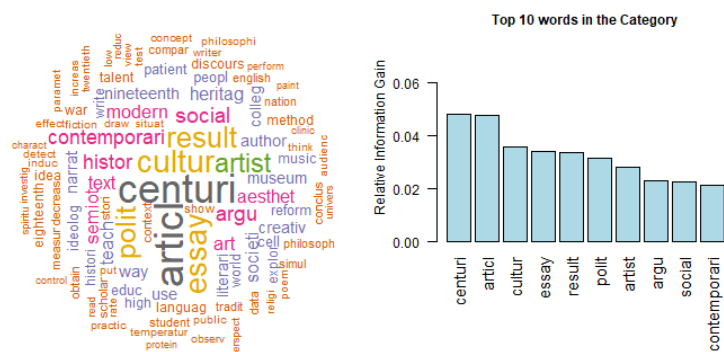


FIGURE 186. Humanities, Multidisciplinary

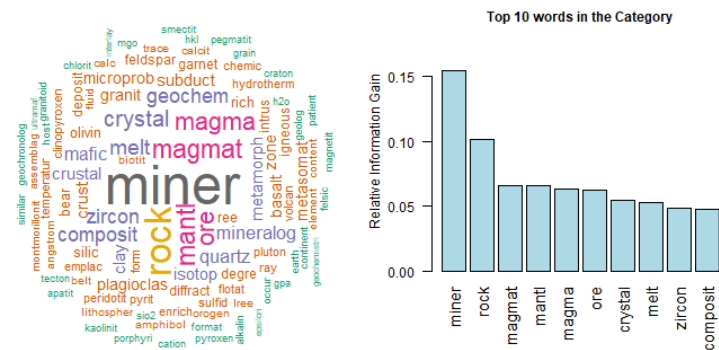


FIGURE 187. Mineralogy

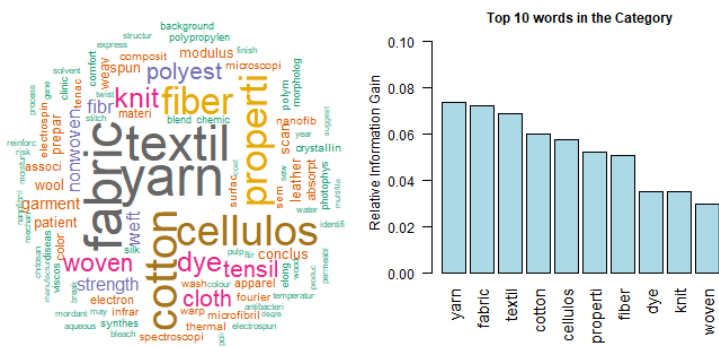


FIGURE 188. Material Science, Textiles

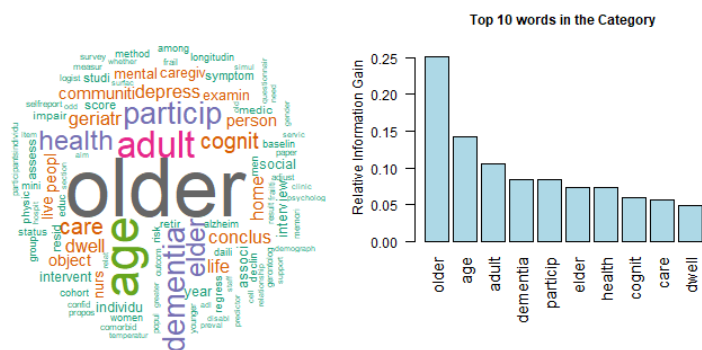


FIGURE 189. Gerontology

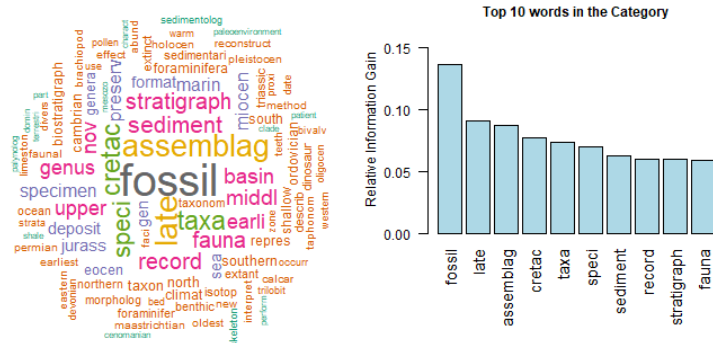


FIGURE 190. Paleontology

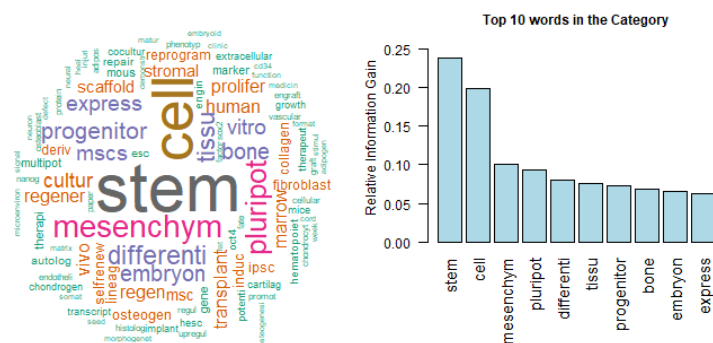


FIGURE 191. Cell & Tissue Engineering

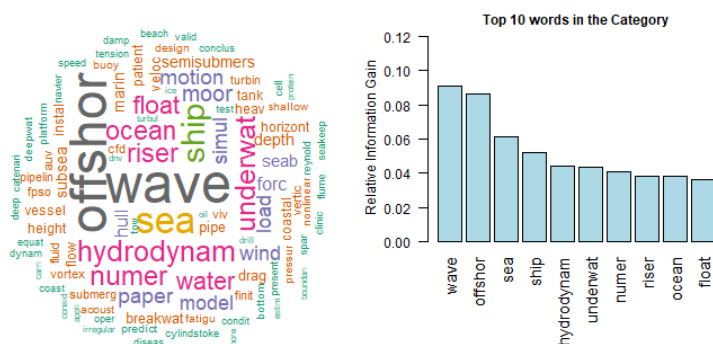


FIGURE 192. Engineering, Ocean

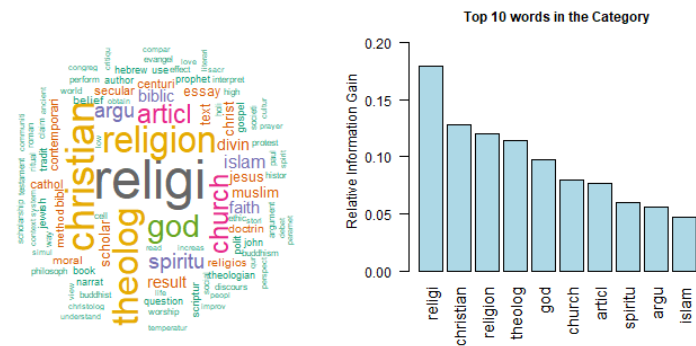


FIGURE 193. Religion

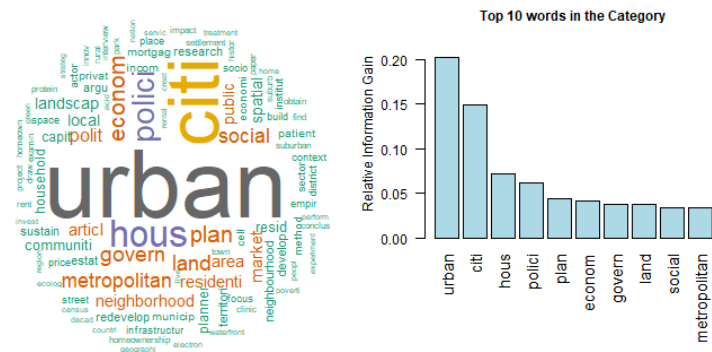


FIGURE 194. Urban Studies

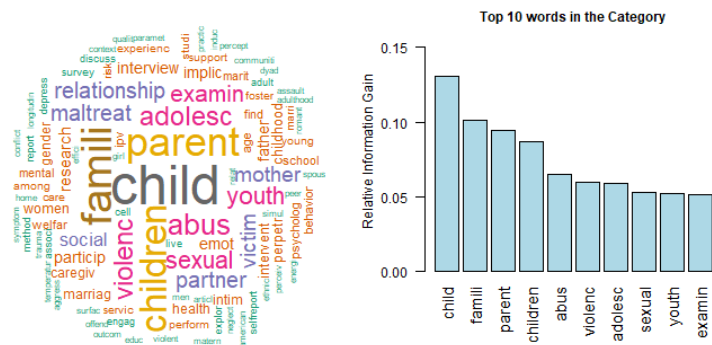


FIGURE 195. Family Studies

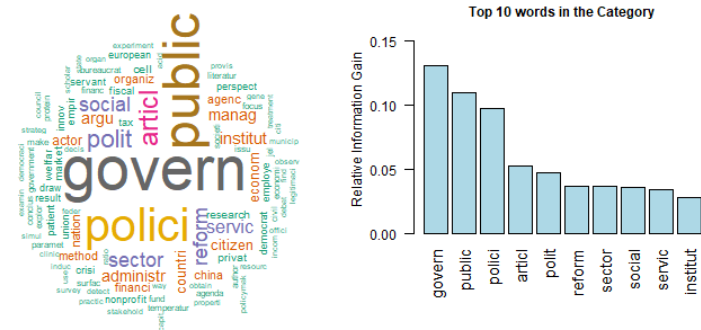


FIGURE 196. Public Administration

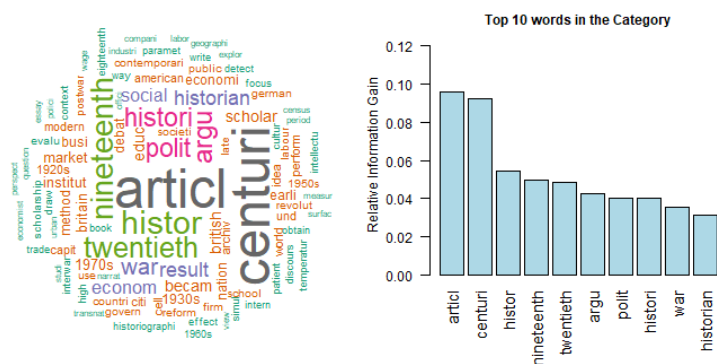


FIGURE 197. History & Philosophy of Science

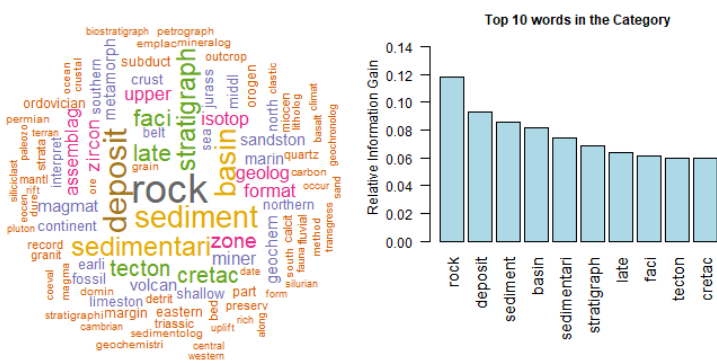


FIGURE 198. Geology

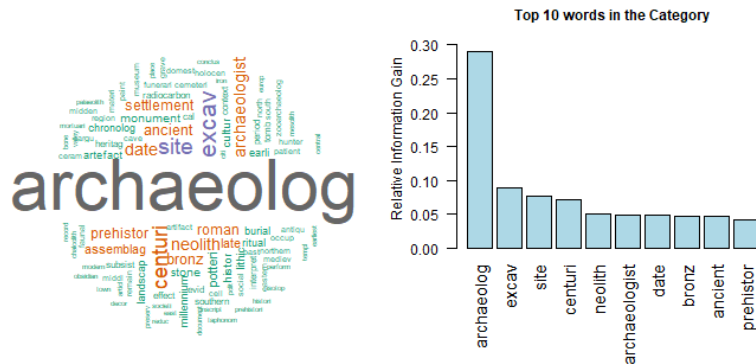


FIGURE 199. Archaeology

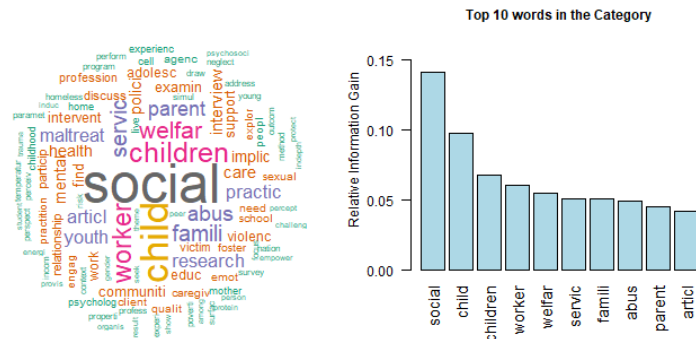


FIGURE 200. Social Work.

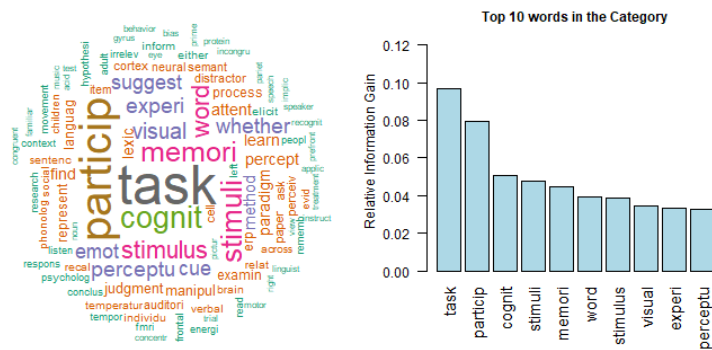


FIGURE 201. Psychology, Educational



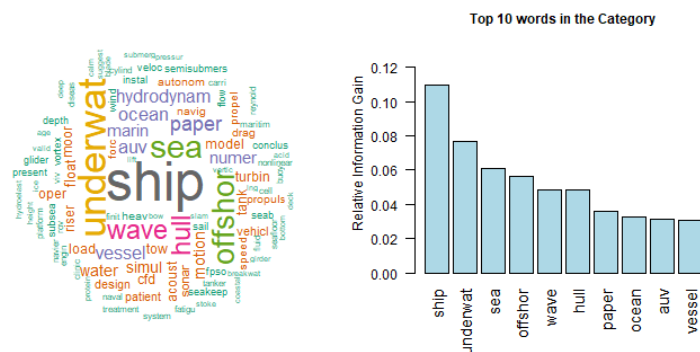


FIGURE 202. Engineering, Marine

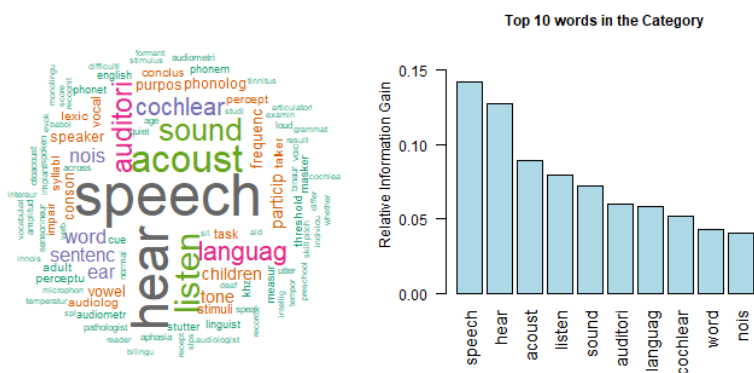


FIGURE 203. Audiology & Speech-Language Pathology

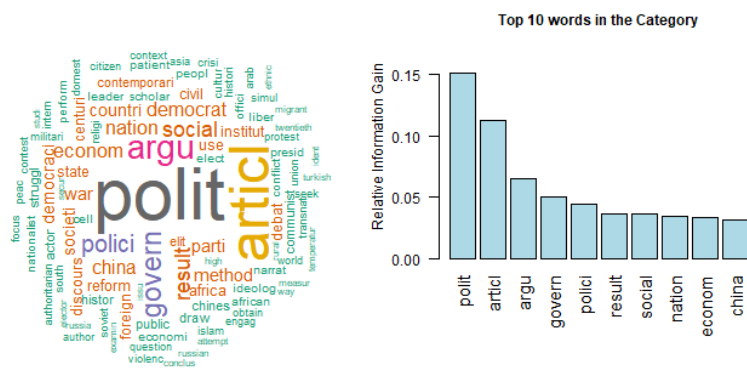


FIGURE 204. Area Studies

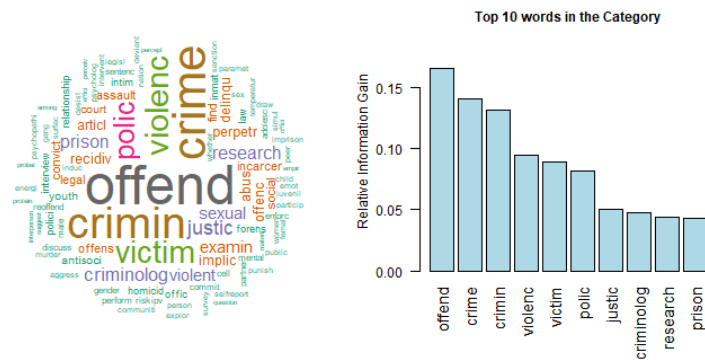


FIGURE 205. Criminology & Penology

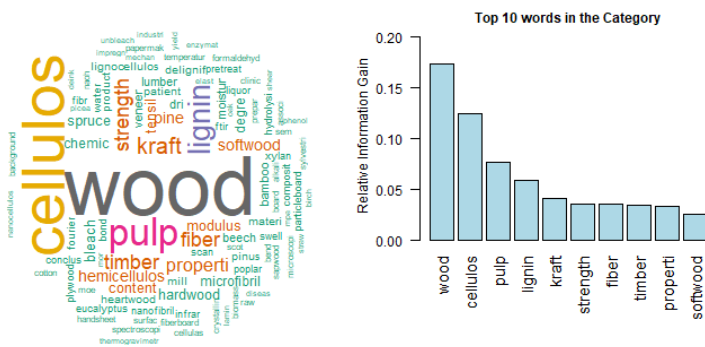


FIGURE 206. Material Science, paper & Wood

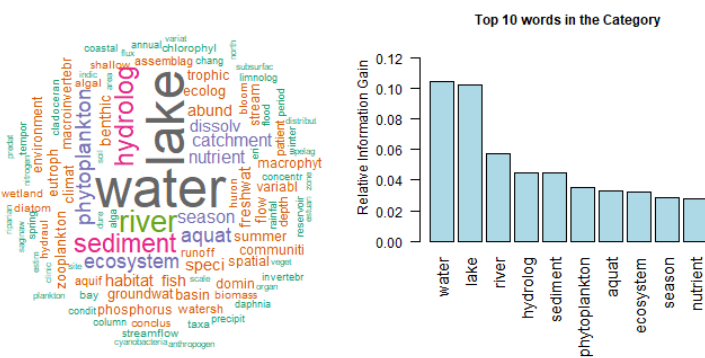


FIGURE 207. Limnology



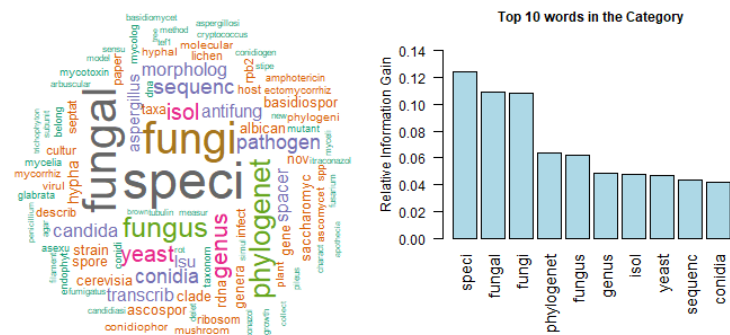


FIGURE 211. Mycology

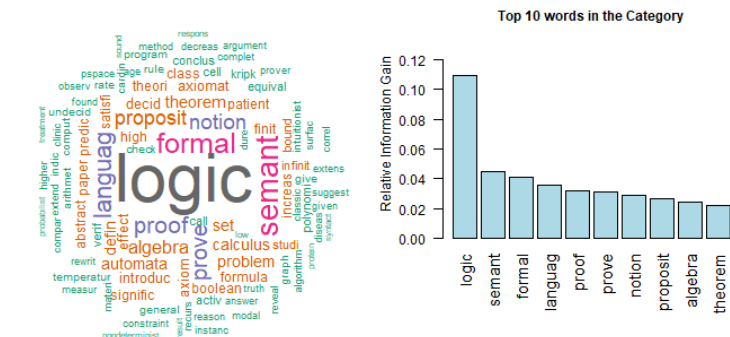


FIGURE 212. Logic

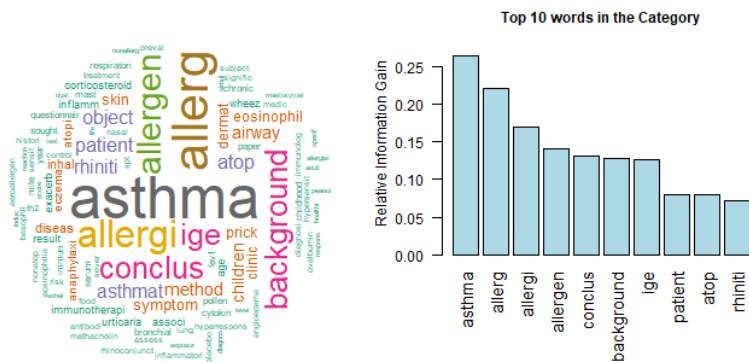


FIGURE 213. Allergy

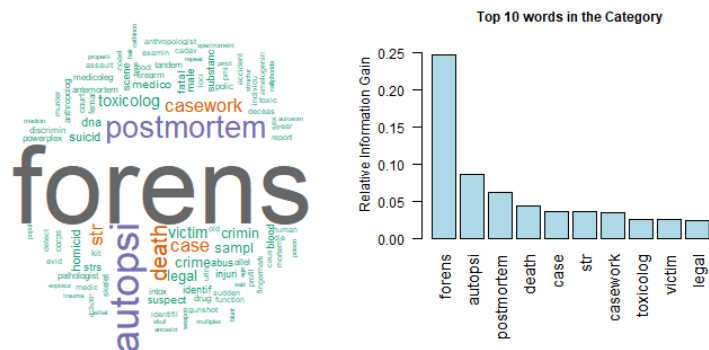


FIGURE 214. Medicine, Legal

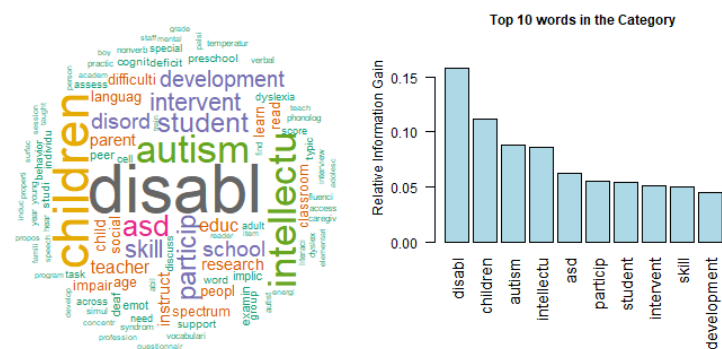


FIGURE 215. Education, Special

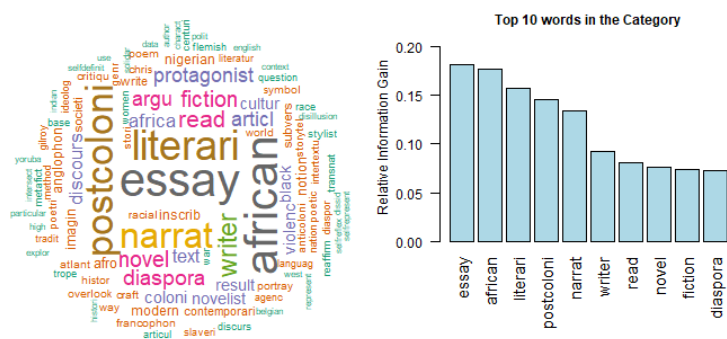


FIGURE 216. Literature

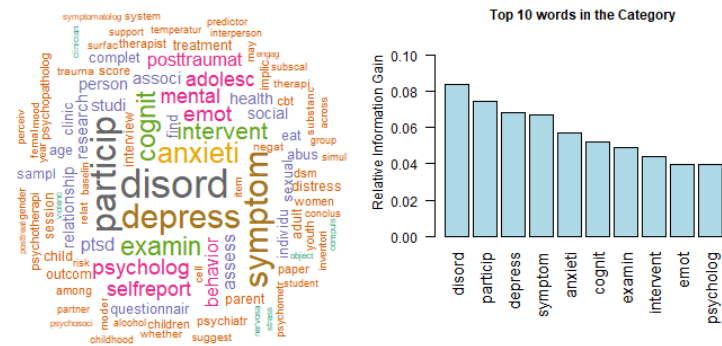


FIGURE 217. Psychology, Biological

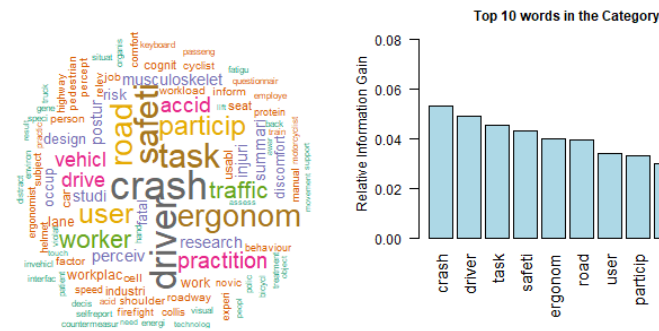


FIGURE 218. Ergonomics

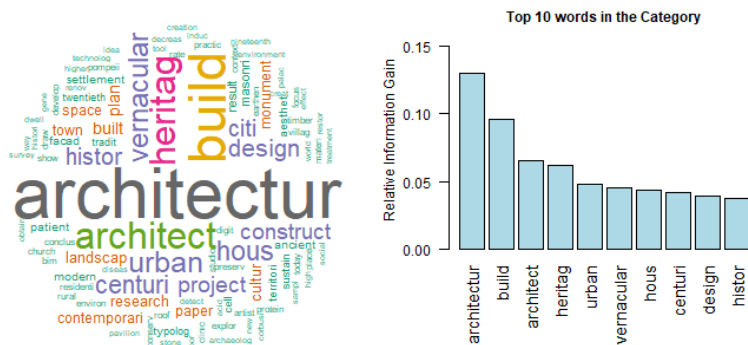


FIGURE 219. Architecture



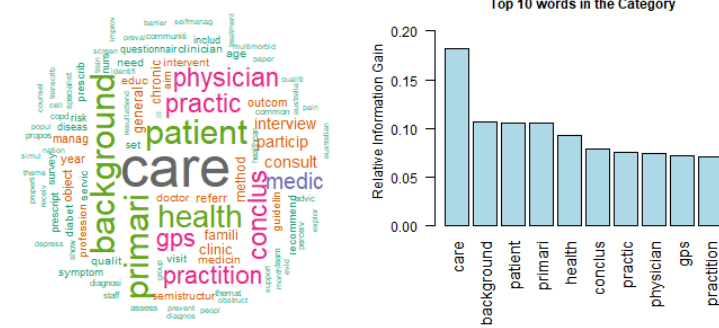


FIGURE 223. Primary Health Care

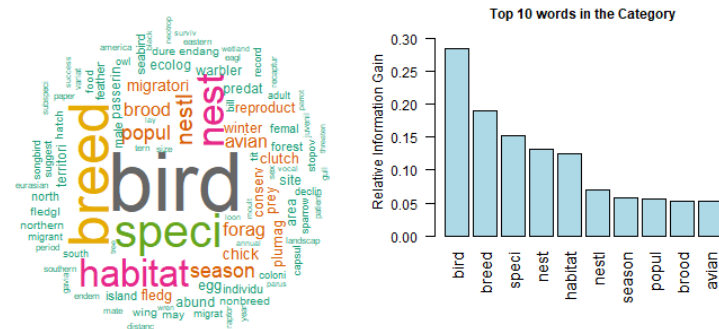


FIGURE 224. Ornithology

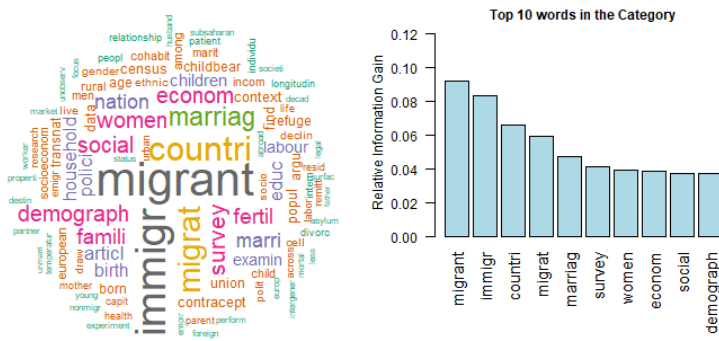


FIGURE 225. Demography



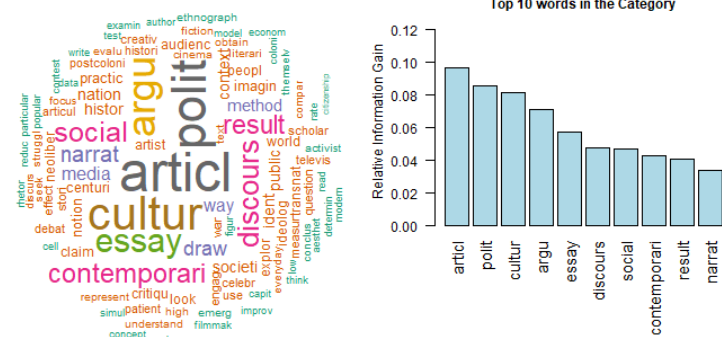


FIGURE 226. Cultural Studies

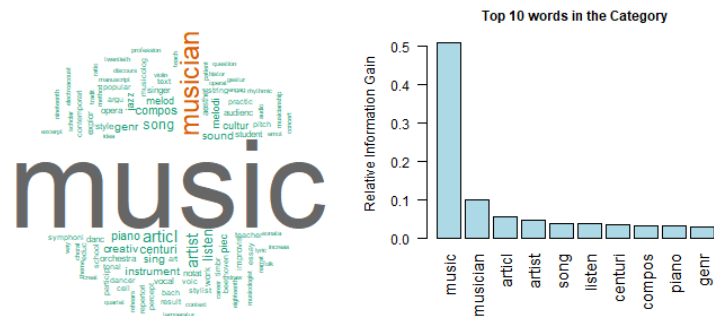


FIGURE 227. Music

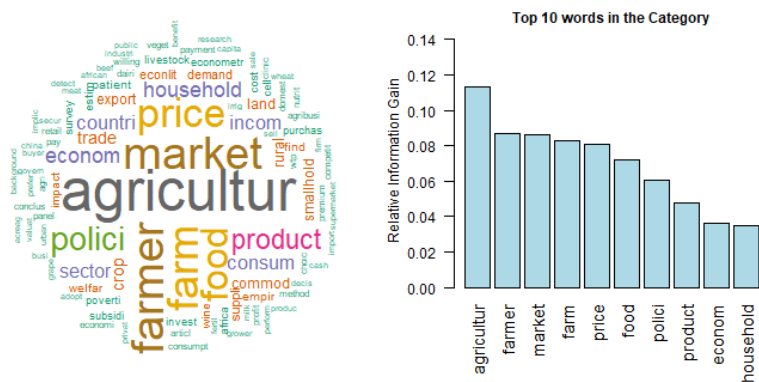


FIGURE 228. Agricultural Economics & Policy

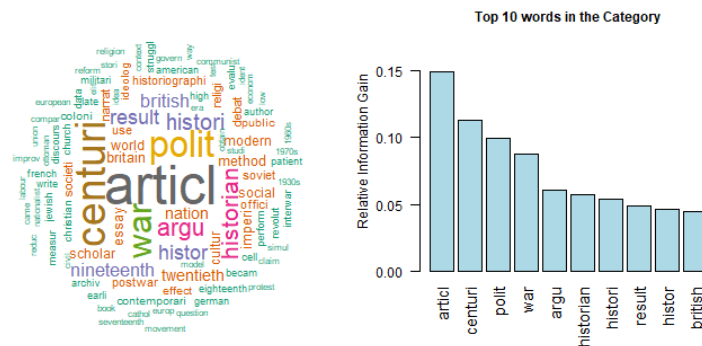


FIGURE 229. History of Social Sciences

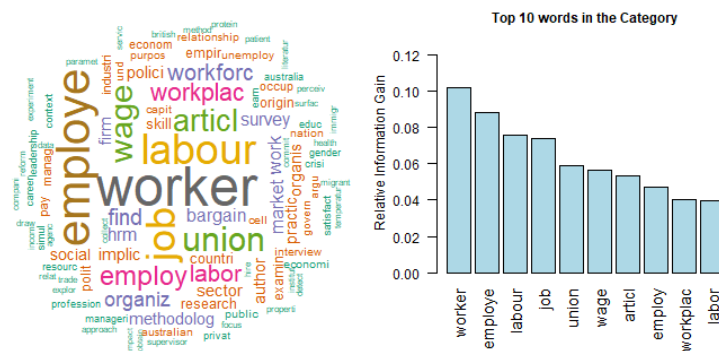


FIGURE 230. Industrial Relations & Labor

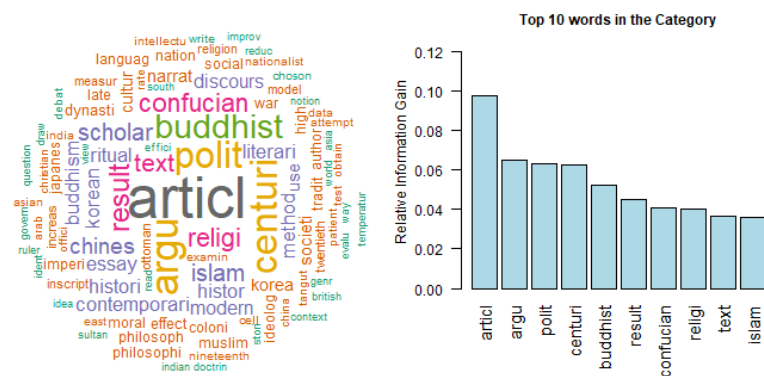
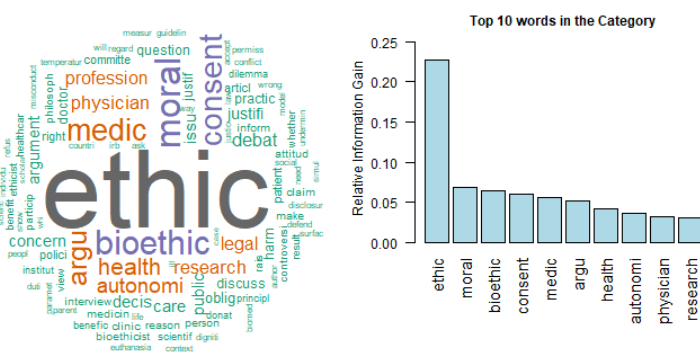
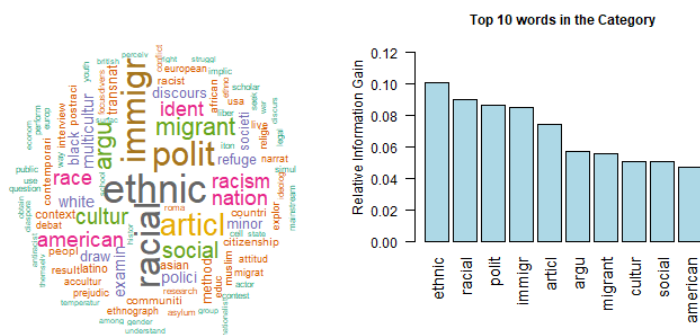
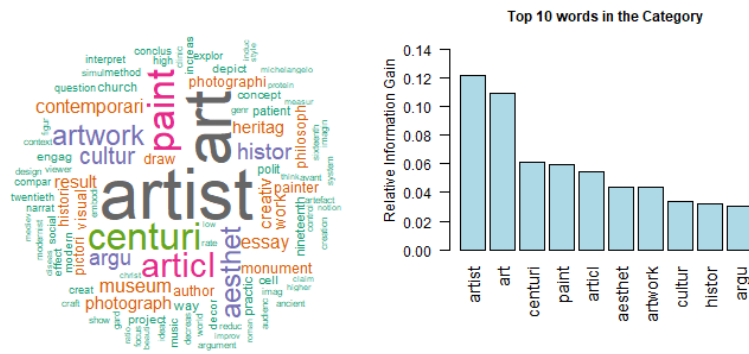


FIGURE 231. Asian Studies



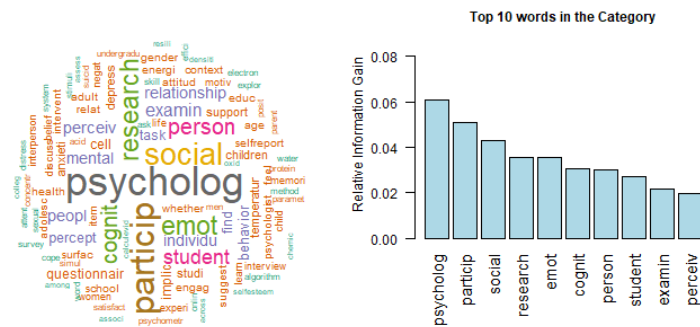


FIGURE 235. Psychology, Mathematical

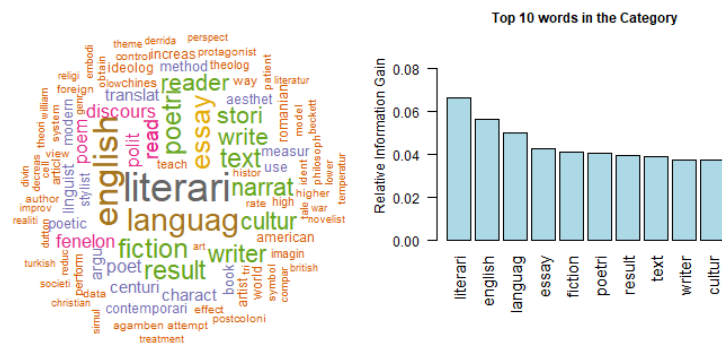


FIGURE 236. Literary Theory & Criticism

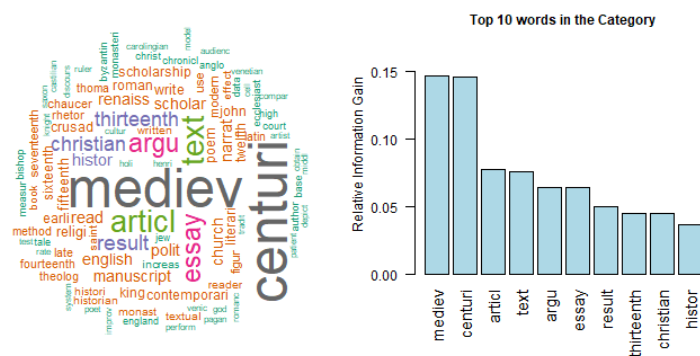


FIGURE 237. Medieval & Renaissance Studies

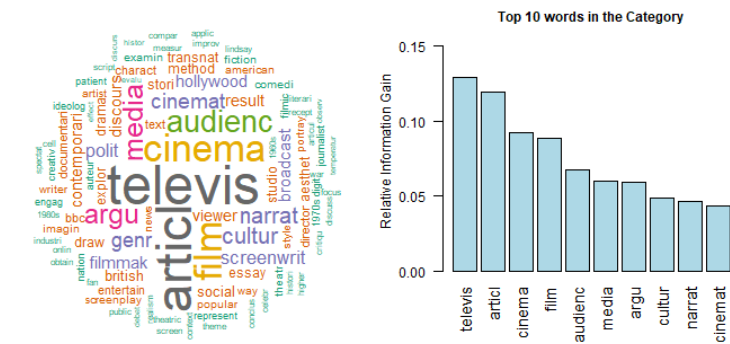


FIGURE 238. Film, Radio, Television

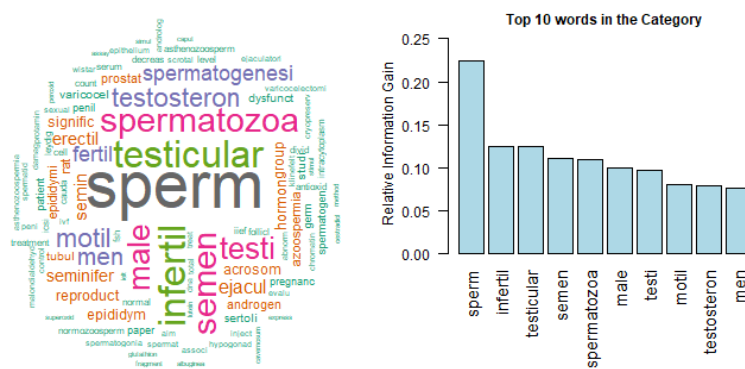


FIGURE 239. Andrology

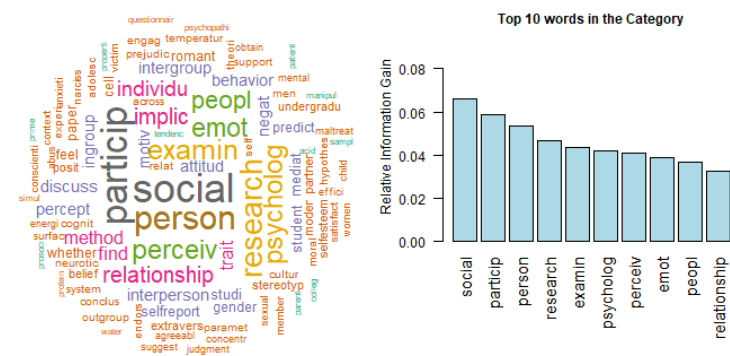


FIGURE 240. Psychology, Psychoanalysis



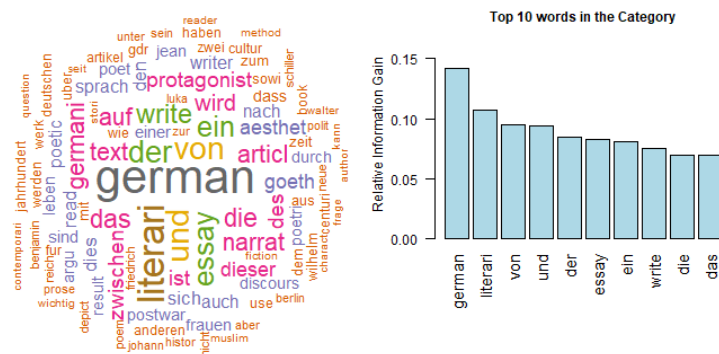


FIGURE 244. Literature, British Isles

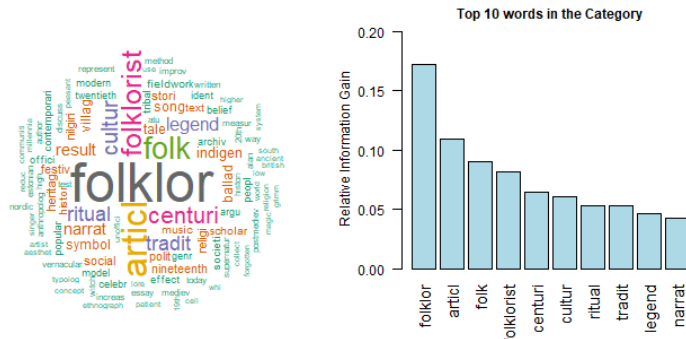


FIGURE 245. Folklore

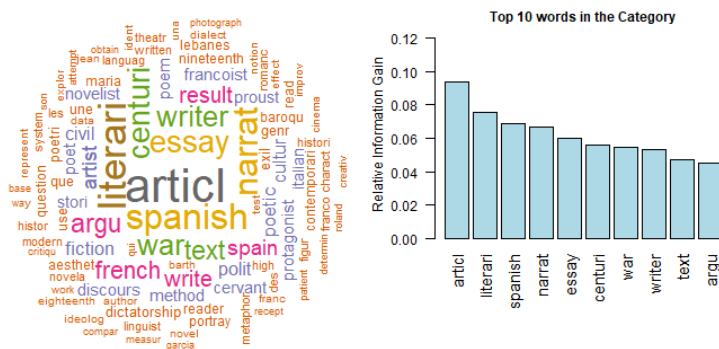


FIGURE 246. Literature, German, Dutch, Scandinavian

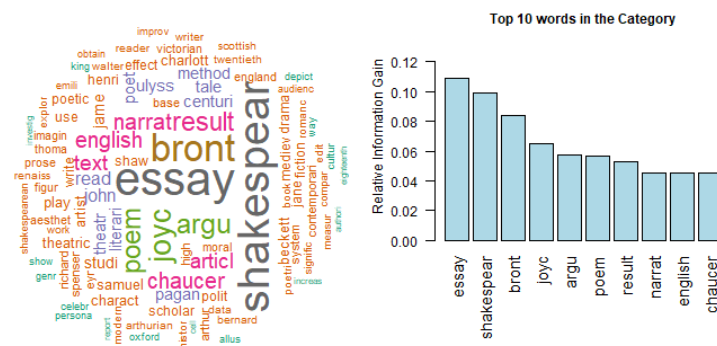


FIGURE 247. Literature, American

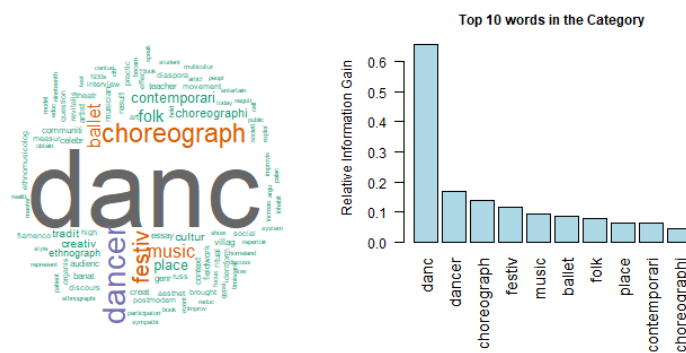


FIGURE 248. Dance

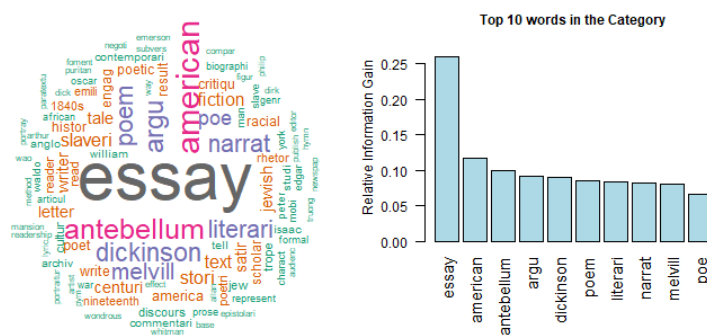


FIGURE 249. Literature, African, Australian, Canadian



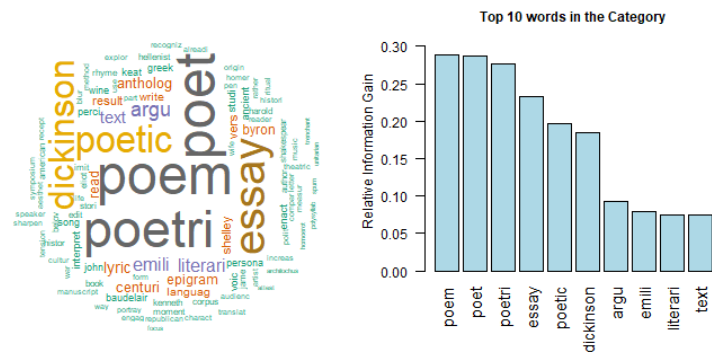


FIGURE 250. Poetry

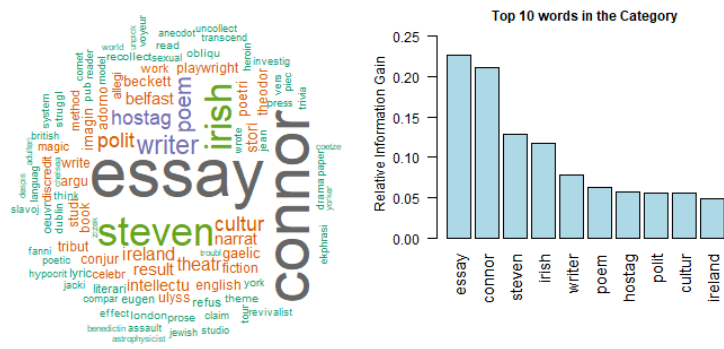


FIGURE 251. Literary Reviews

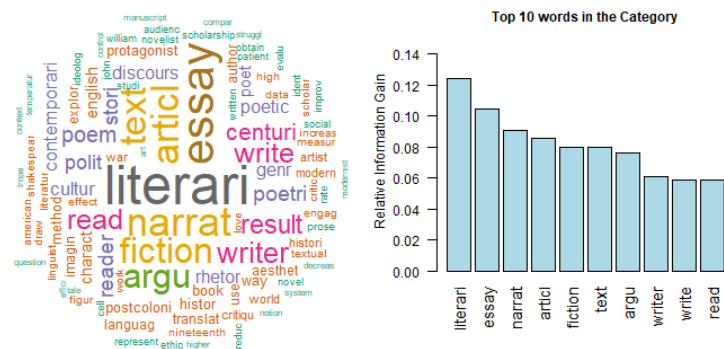


FIGURE 252. Literature, Slavic