# Multimedia Appendix 1: Full search strategy

**Full search strategy (for Ovid MEDLINE, Scopus, Emerald, ACM Digital Library, Computer Science Database, Compendex, Inspec)**

Sentiment\* OR “Sentiment analysis” OR “Sentiment classification” OR “Sentiment mining” OR Opinion\* OR “Opinion mining” OR “Opinion extraction” OR “Emotion AI” OR “Emotion Artificial Intelligence” OR “Subjectivity analysis” OR “Affect analysis” OR “Emotion analysis” OR “Emotion classification” OR “Review mining” OR “Text mining” OR “Neural networks” OR “Word embedding” OR “Natural language processing” OR “Natural language understanding” OR NLP OR “Machine learning” OR “Deep learning” OR “Sentic computing” OR Affect\* OR Emotion\*

AND

“Social media” OR “Social network\*” OR SNS OR Facebook OR Instagram OR Twitter OR Tweet OR youtube OR linkedin OR snapchat OR tiktok OR pinterest OR tumblr OR reddit OR myspace OR blog OR microblog OR micro-blog OR weblog

AND

nutr\* OR “Healthy eating” OR diet\* OR food\* OR cook\* OR eat\*

**With limited wildcards (for IEEE as they have a maximum of seven wildcards)**

(Sentiment OR “Sentiment analysis” OR “Sentiment classification” OR “Sentiment mining” OR Opinion OR “Opinion mining” OR “Opinion extraction” OR “Emotion AI” OR “Emotion Artificial Intelligence” OR “Subjectivity analysis” OR “Affect analysis” OR “Emotion analysis” OR “Emotion classification” OR “Review mining” OR “Text mining” OR “Neural networks” OR “Word embedding” OR “Natural language processing” OR “Natural language understanding” OR NLP OR “Machine learning” OR “Deep learning” OR “Sentic computing” OR Affect\* OR Emotion\*)

AND

(“Social media” OR “Social network\*” OR SNS OR Facebook OR Instagram OR Twitter OR Tweet OR youtube OR linkedin OR snapchat OR tiktok OR pinterest OR tumblr OR reddit OR myspace OR blog OR microblog OR micro-blog OR weblog)

AND

(nutr\* OR “Healthy eating” OR diet\* OR food OR cook\* OR eat\*)

**With only wildcards that have a root word greater than 4 (for Pubmed)**

(Sentiment\* OR "Sentiment analysis" OR "Sentiment classification" OR "Sentiment mining" OR Opinion\* OR "Opinion mining" OR "Opinion extraction" OR "Emotion AI" OR "Emotion Artificial Intelligence" OR "Subjectivity analysis" OR "Affect analysis" OR "Emotion analysis" OR "Emotion classification" OR "Review mining" OR "Text mining" OR "Neural networks" OR "Word embedding" OR "Natural language processing" OR "Natural language understanding" OR NLP OR "Machine learning" OR "Deep learning" OR "Sentic computing" OR Affect\* OR Emotion\*)

AND

("Social media" OR "Social network\*" OR SNS OR Facebook OR Instagram OR Twitter OR Tweet OR youtube OR linkedin OR snapchat OR tiktok OR pinterest OR tumblr OR reddit OR myspace OR blog OR microblog OR micro-blog OR weblog)

AND

(nutr\* OR "Healthy eating" OR diet\* OR food\* OR cook\* OR eat or eating)