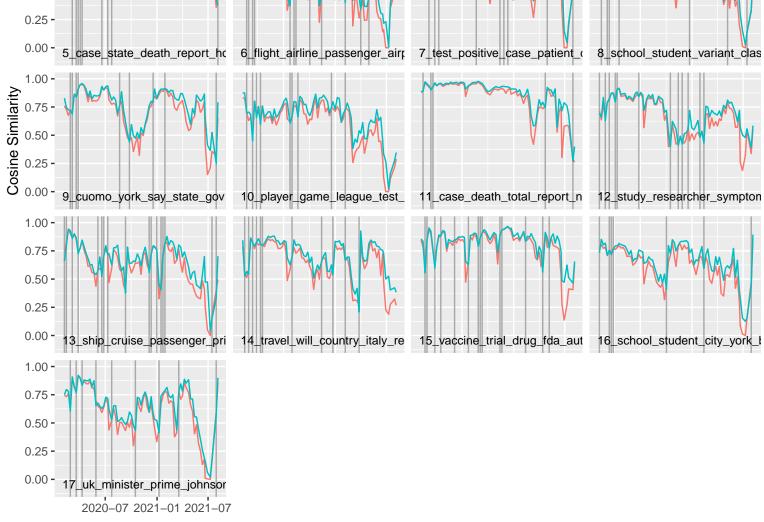
Backward looking reference period of length 1 | mix = 0.82 1.00 -0.75 0.50 -0.25 -0.00 vaccine\_case\_dos\_china\_cc 2\_order\_will\_restaurant\_allow\_ 3\_economy\_billion\_stock\_ecor 4\_trump\_fauci\_president\_say\_ 1.00 -0.75 -0.50 -0.25 -0.00 -5\_case\_state\_death\_report\_hc 8\_school\_student\_variant\_clas 6\_flight\_airline\_passenger\_airr 7\_test\_positive\_case\_patient\_c 1.00 Cosine Similarity 0.50 - 0.50 - 0.25 - 0.00 -9\_cuomo\_york\_say\_state\_gov 10\_player\_game\_league\_test\_ 12\_study\_researcher\_sympton 11\_case\_death\_total\_report\_n 1.00 0.75 0.50 0.25 -0.00 -14\_travel\_will\_country\_italy\_re 15\_vaccine\_trial\_drug\_fda\_aut 16\_school\_student\_city\_york\_l 3\_ship\_cruise\_passenger\_pri 1.00 0.75 -0.50 -0.25 -0.00 -17\_uk\_minister\_prime\_johnsor 2020-07 2021-01 2021-07

Backward looking reference period of length 2 | mix = 0.82 1.00 -0.75 -0.50 -0.25 -0.00 -1\_vaccine\_case\_dos\_china\_cc 2\_order\_will\_restaurant\_allow\_ 3\_economy\_billion\_stock\_ecor 4\_trump\_fauci\_president\_say\_ 1.00 -0.75 -0.50 -0.25 -0.00 -5\_case\_state\_death\_report\_hc 6\_flight\_airline\_passenger\_airr 7\_test\_positive\_case\_patient\_c 8\_school\_student\_variant\_clas 1.00 10\_player\_game\_league\_test\_ 11\_case\_death\_total\_report\_n 12\_study\_researcher\_sympton 1.00 0.75 0.50 -0.25 -0.00 -16\_school\_student\_city\_york\_l 3\_ship\_cruise\_passenger\_pri 14\_travel\_will\_country\_italy\_re 15\_vaccine\_trial\_drug\_fda\_aut



Backward looking reference period of length 3 | mix = 0.82 1.00 -0.75 0.50 -0.25 -0.00 -1\_vaccine\_case\_dos\_china\_cc 2\_order\_will\_restaurant\_allow\_ 3\_economy\_billion\_stock\_ecor 4\_trump\_fauci\_president\_say\_ 1.00 -0.75 -0.50 -0.25 -0.00 -5\_case\_state\_death\_report\_hc 7\_test\_positive\_case\_patient\_c 6\_flight\_airline\_passenger\_airr 8\_school\_student\_variant\_clas 1.00 Cosine Similarity 0.50 - 0.50 - 0.25 - 0.00 -11 case\_death\_total\_report\_n 10\_player\_game\_league\_test\_ 12\_study\_researcher\_sympton 1.00 0.75 0.50 -0.25 -0.00 -14\_travel\_will\_country\_italy\_re 16\_school\_student\_city\_york\_l 3\_ship\_cruise\_passenger\_pri 15\_vaccine\_trial\_drug\_fda\_aut 1.00 -0.75 **-**0.50 -0.25 -

0.00 -

17\_uk\_minister\_prime\_johnsor 2020-07 2021-01 2021-07

Backward looking reference period of length 4 | mix = 0.82 1.00 -0.75 -0.50 -0.25 -0.00 vaccine case dos china co 2\_order\_will\_restaurant\_allow\_ 3\_economy\_billion\_stock\_ecor 4\_trump\_fauci\_president\_say\_ 1.00 -0.75 -0.50 -0.25 -0.00 -5\_case\_state\_death\_report\_hc 7\_test\_positive\_case\_patient\_c 6\_flight\_airline\_passenger\_airr 8\_school\_student\_variant\_clas 1.00 Cosine Similarity 0.50 - 0.50 - 0.25 - 0.00 -10\_player\_game\_league\_test\_ 11 case\_death\_total\_report\_n 12\_study\_researcher\_sympton 1.00 0.75 0.50 -0.25 -0.00 -14\_travel\_will\_country\_italy\_re 15\_vaccine\_trial\_drug\_fda\_aut 3\_ship\_cruise\_passenger\_pri 16\_school\_student\_city\_york\_l 1.00 -0.75 **-**0.50 -0.25 -0.00 -17\_uk\_minister\_prime\_johnsor 2020-07 2021-01 2021-07