

PNAS Template for Supplementary Information

This PNAS template for Supplementary Information (SI) may be used to organize your supplementary material. **Once formatted, this first page should be deleted by removing the `\instructionspage` command.** The template is intended to provide a clearly organized PDF file that will ensure readers can easily navigate to sections or specific figures and tables. Movie files or large datasets can be presented as separate files. Further information is available in the [PNAS Author Center](#).

Using the template

Specify the title, author list, and corresponding authors with the `\title`, `\author` and `\correspondingauthor` commands. The cover page will be automatically generated with the relevant description of the SI, by the `\maketitle` command.

Figures should be placed on separate pages with legends set immediately below each figure. Table titles should be set immediately above each table. Note that tables extending beyond the width of the page can be included in the PDF or provided as separate dataset files. Oversized/nonstandard page sizes are accepted as part of your SI Appendix file.

References cited in the SI text should be included in a separate reference list at the end of this SI file: (?) and (?).

Supporting information for Brief Reports is limited to extended methods, essential supporting datasets, and videos (no additional tables or figures).

Submitting SI

Delete this first page by removing the `\instructionspage` command, and then save your completed SI file as a PDF for submission. Further submission instructions are available [here](#).

19

20 **Supplementary Information for**

21 **Your main manuscript title**

22 **Author1, Author2 and Author3 (complete author list)**

23 **Corresponding Author name.**

24 **E-mail: author.two@email.com**

25 **This PDF file includes:**

- 26 Supplementary text
- 27 Figs. S1 to S2 (not allowed for Brief Reports)
- 28 Table S1 (not allowed for Brief Reports)
- 29 Legends for Movies S1 to S3
- 30 Legends for Dataset S1 to S2

31 **Other supplementary materials for this manuscript include the following:**

- 32 Movies S1 to S3
- 33 Datasets S1 to S2

34 **Supporting Information Text**

35 **PNAS Template material, to be removed**

36 **Subhead.** Type or paste text here. This should be additional explanatory text such as an extended technical description of
37 results, full details of mathematical models, etc.

38 **Heading**

39 **Subhead.** Type or paste text here. You may break this section up into subheads as needed (e.g., one section on “Materials”
40 and one on “Methods”).

41 **Materials.** Add a materials subsection if you need to.

42 **Methods.** Add a methods subsection if you need to.

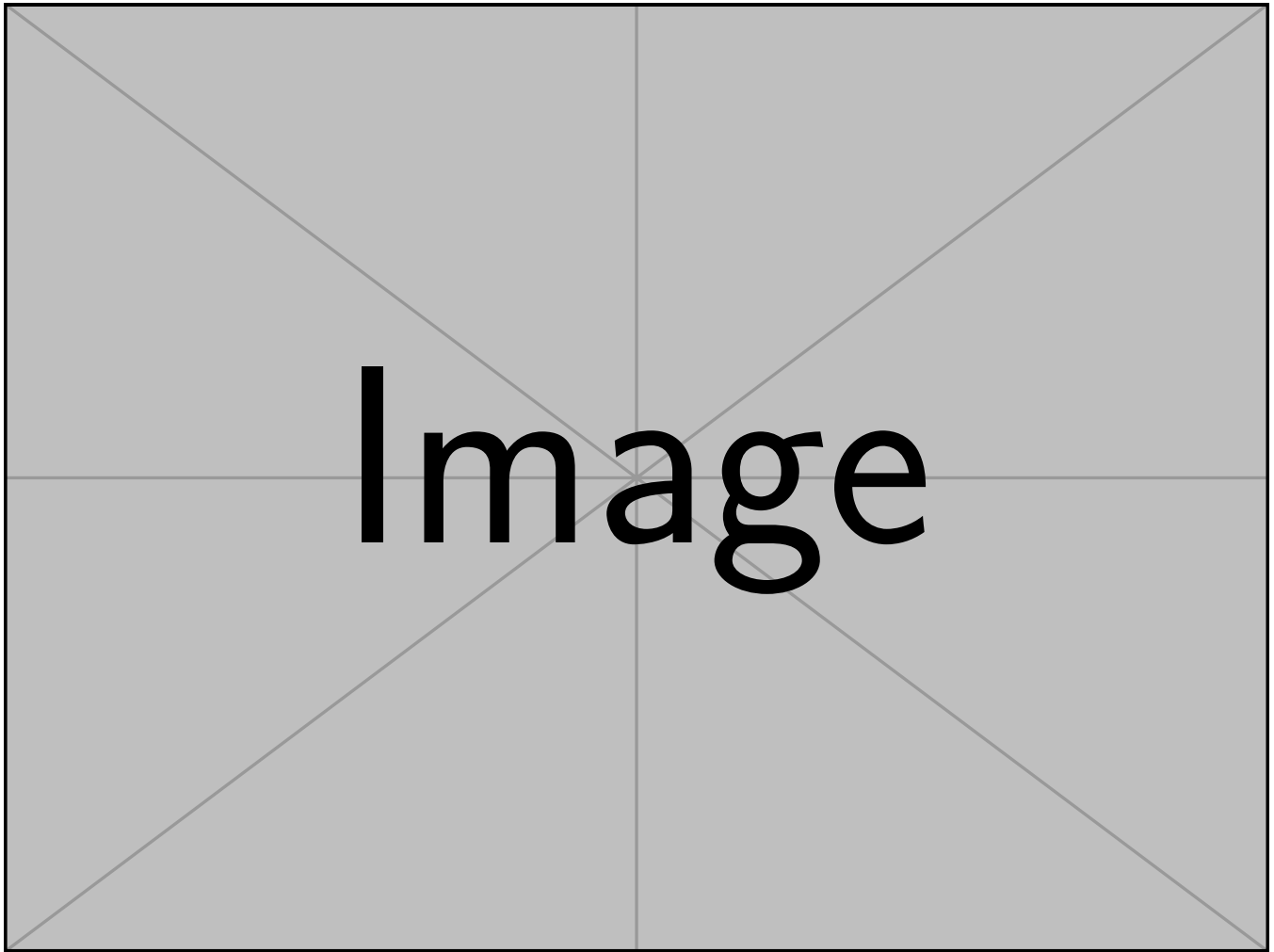


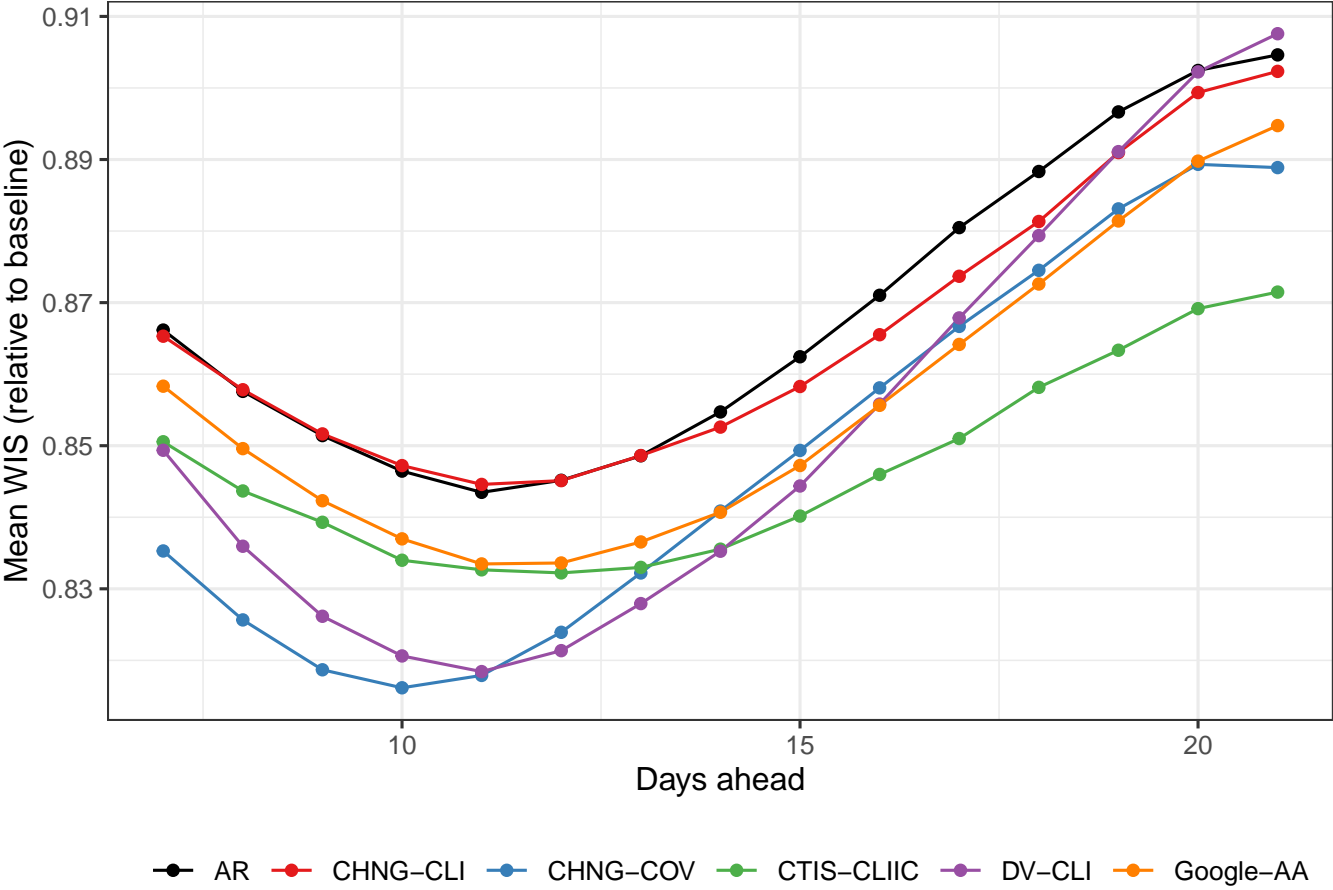
Fig. S1. First figure

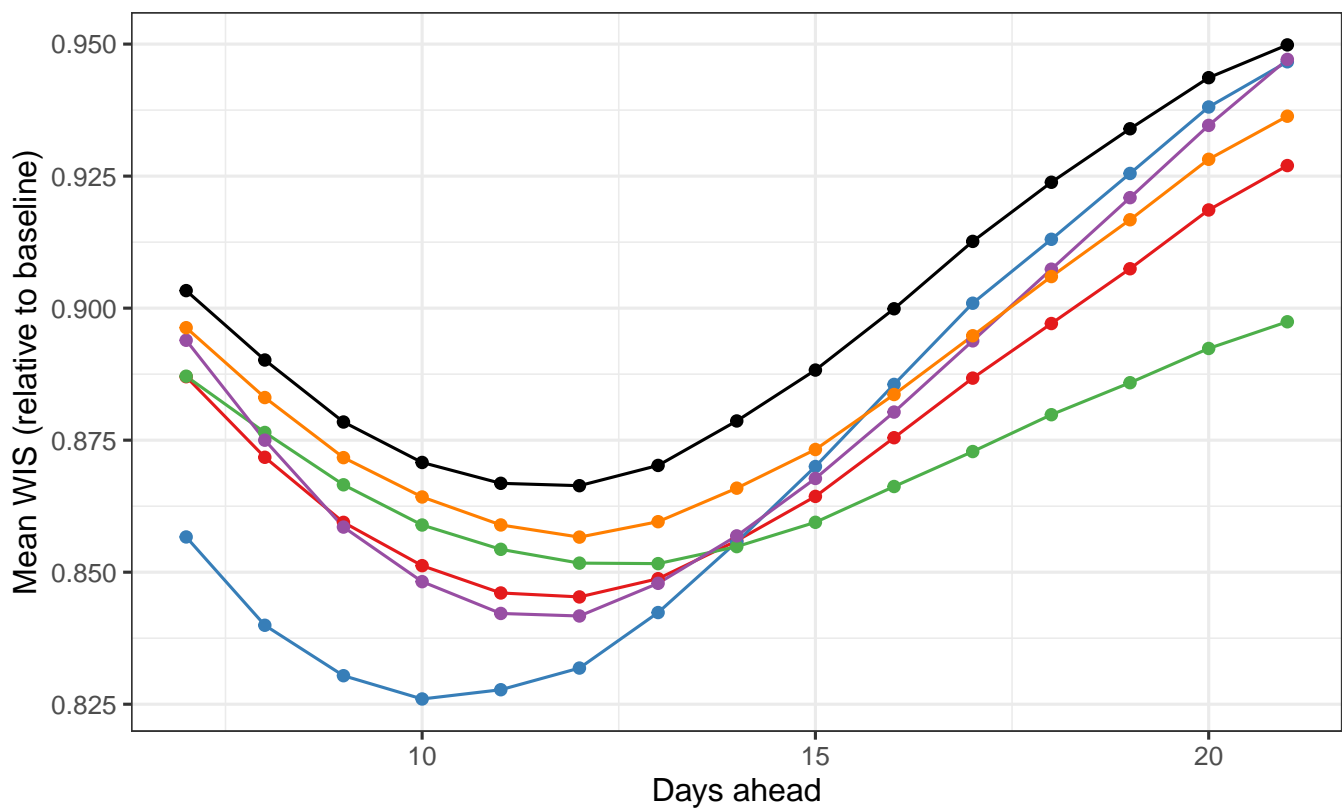


Fig. S2. Second figure

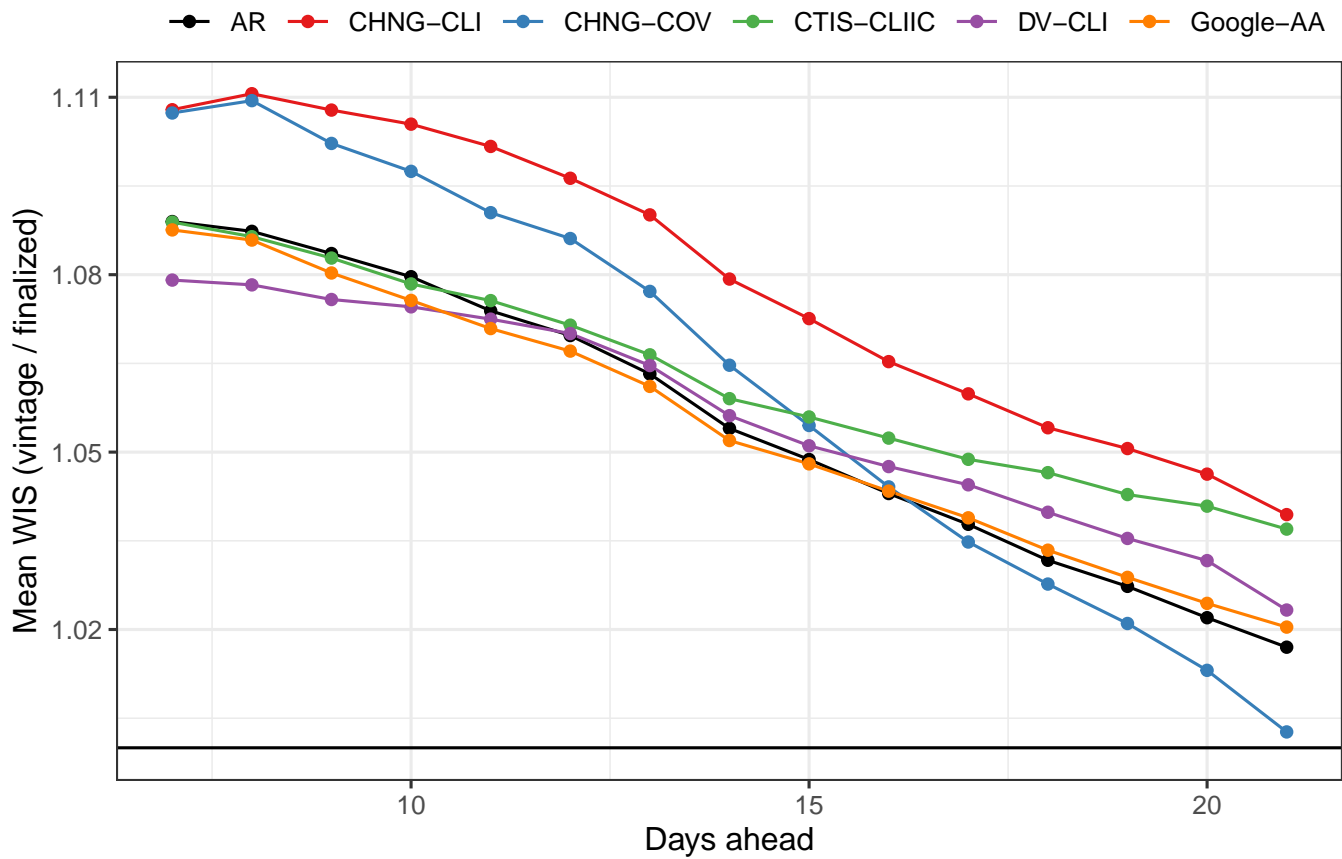
Table S1. This is a table

Species	CBS	CV	G3
1. Acetaldehyde	0.0	0.0	0.0
2. Vinyl alcohol	9.1	9.6	13.5
3. Hydroxyethylidene	50.8	51.2	54.0

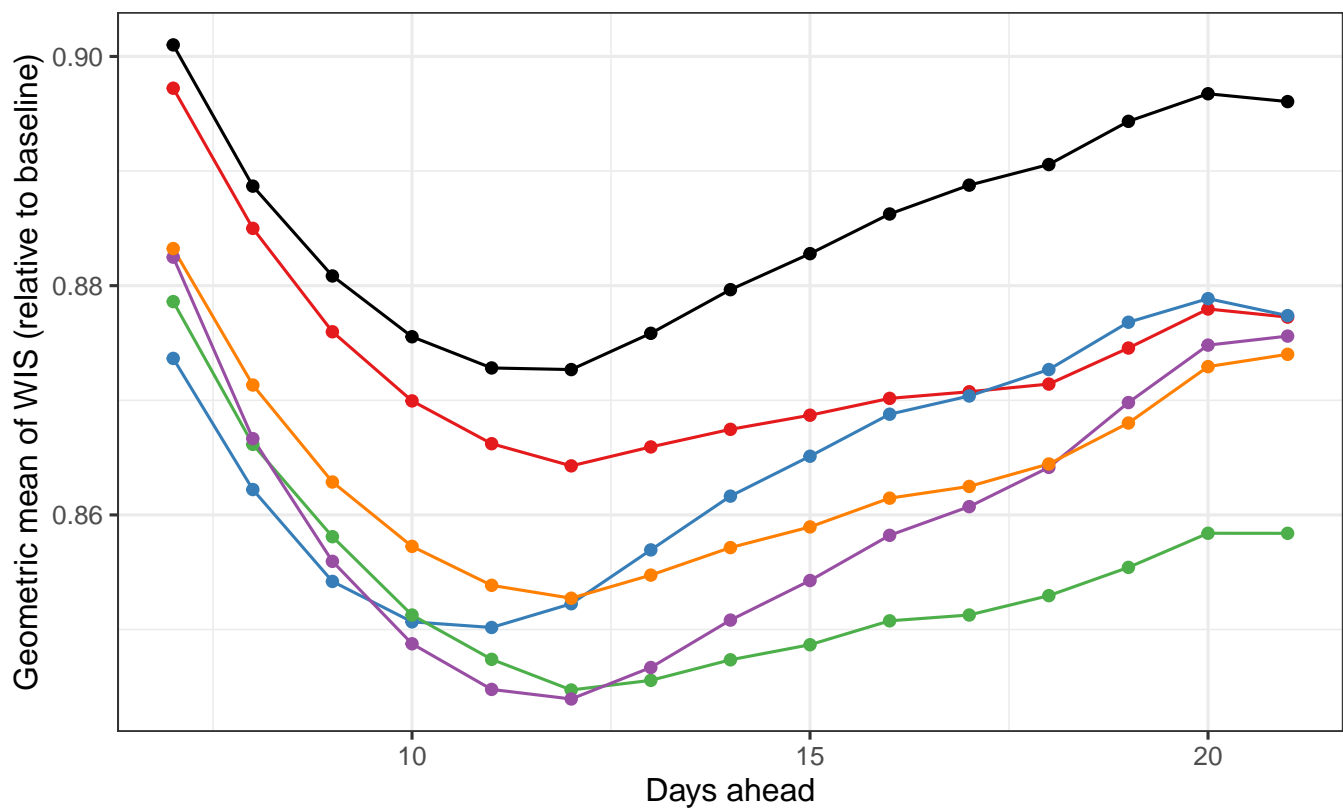




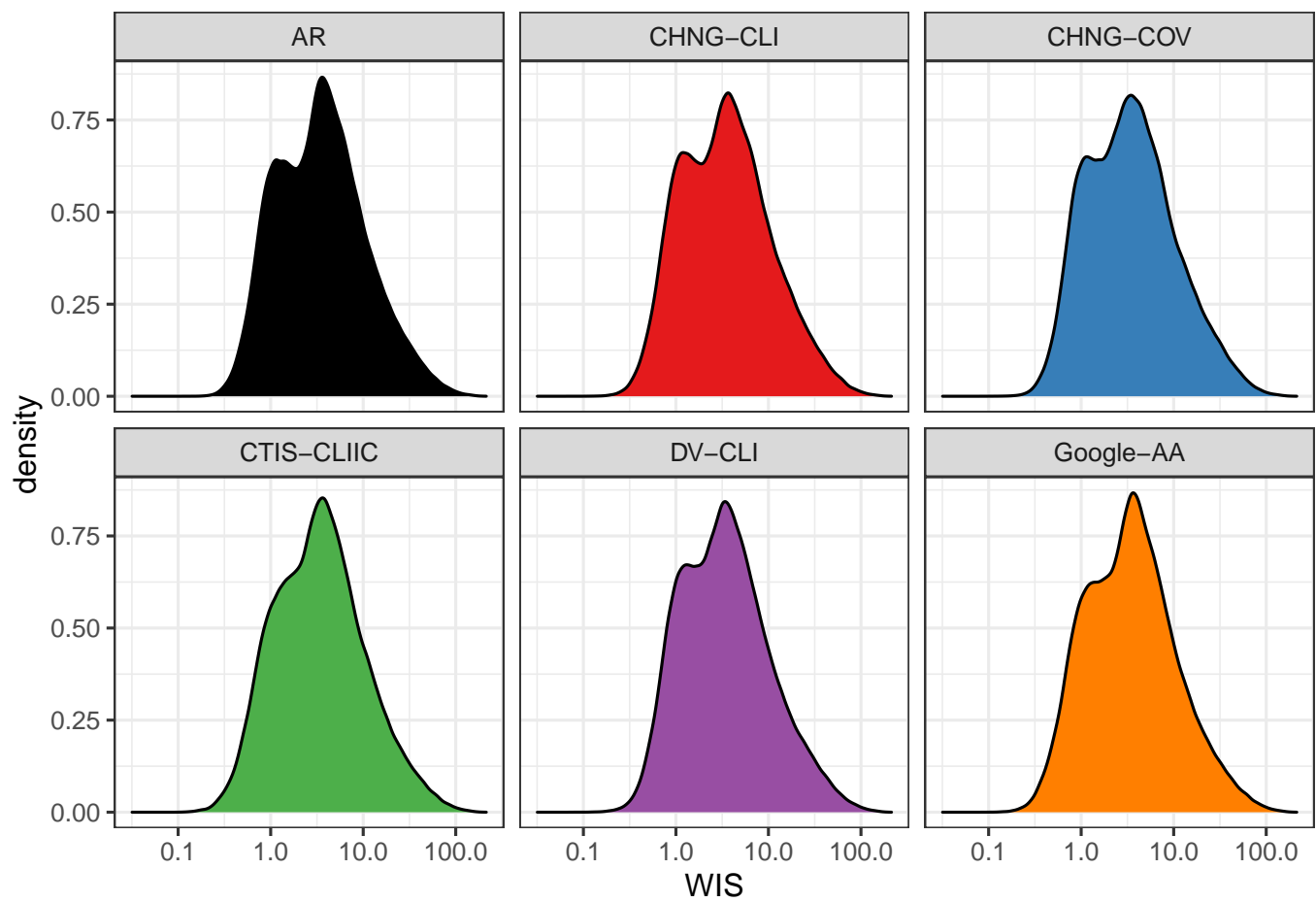
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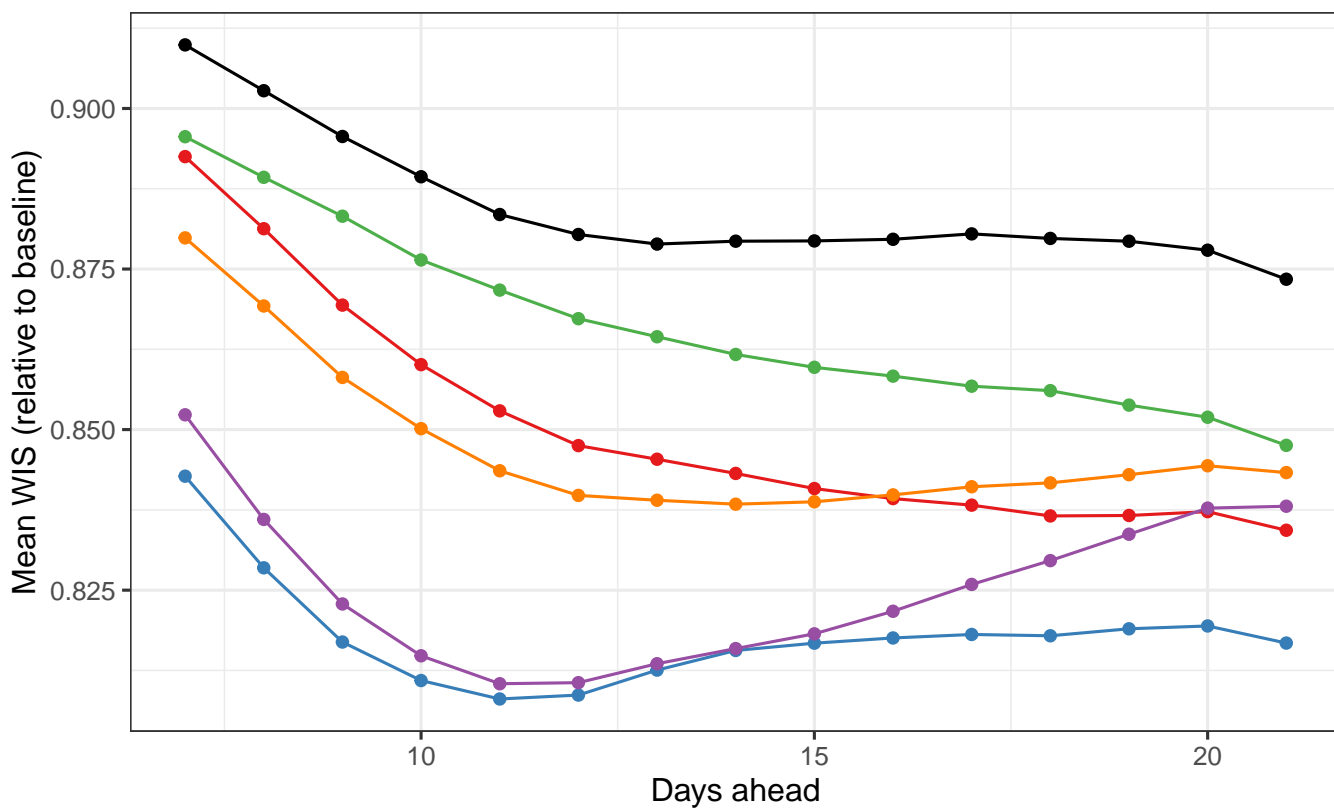


AR CHNG-CLI CHNG-COV CTIS-CLIIC DV-CLI Google-AA

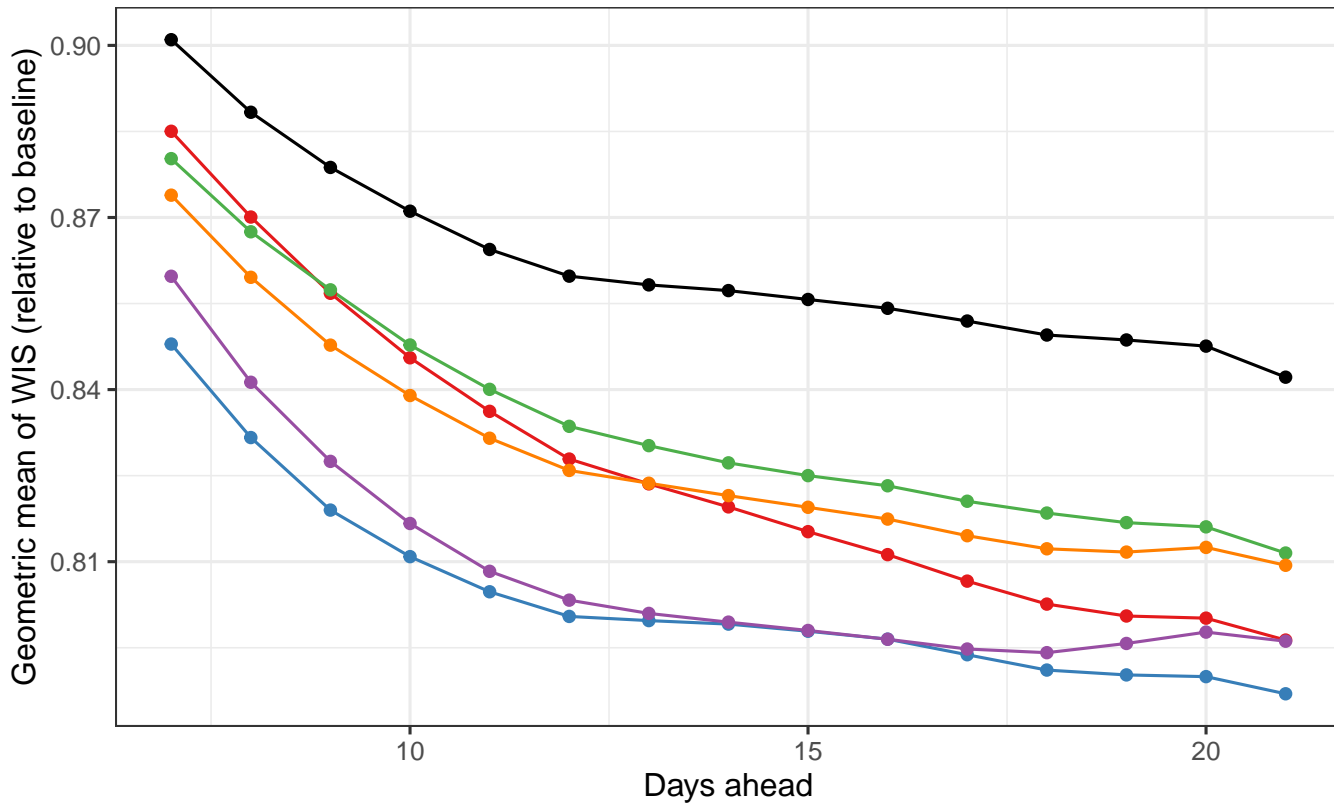


49

50 **A.1. All periods.**



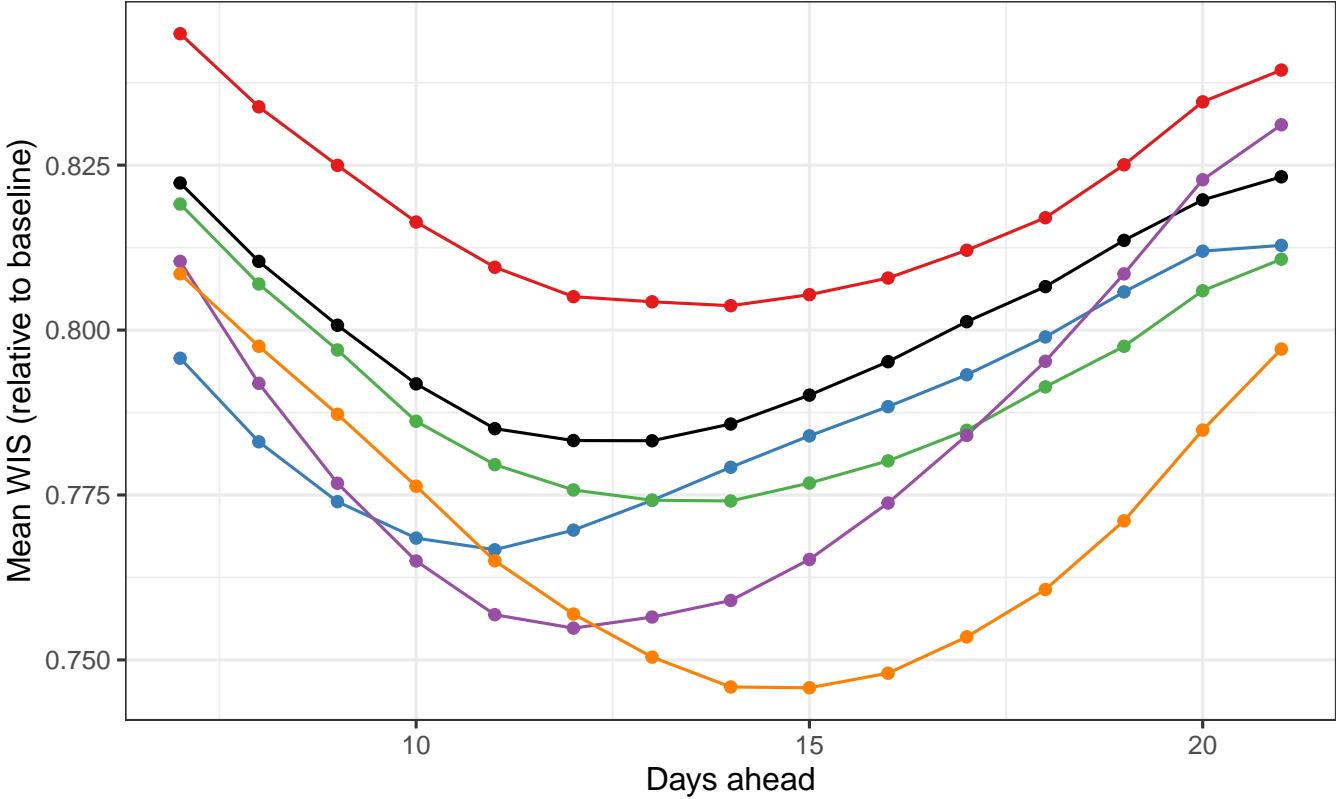
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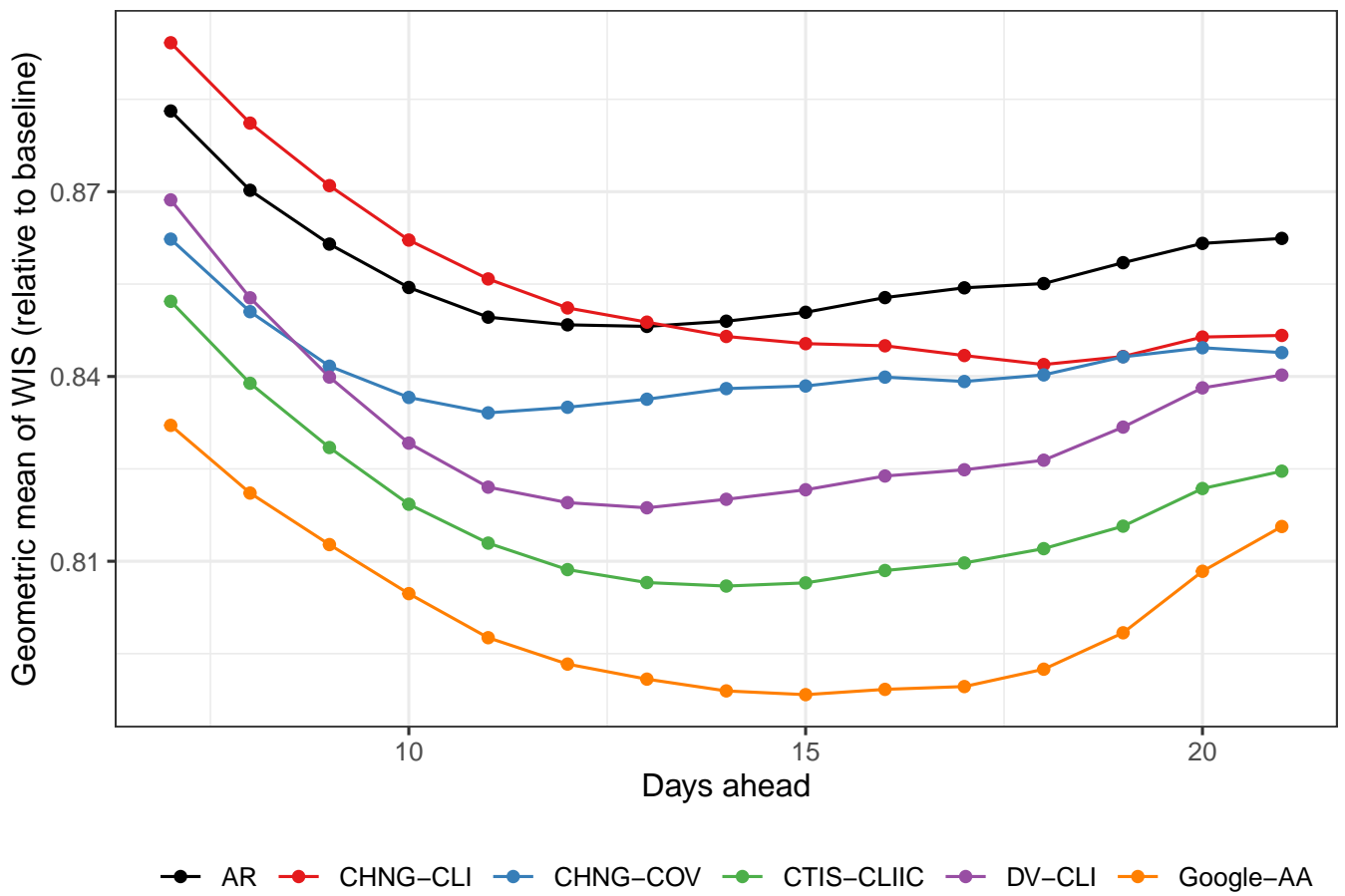


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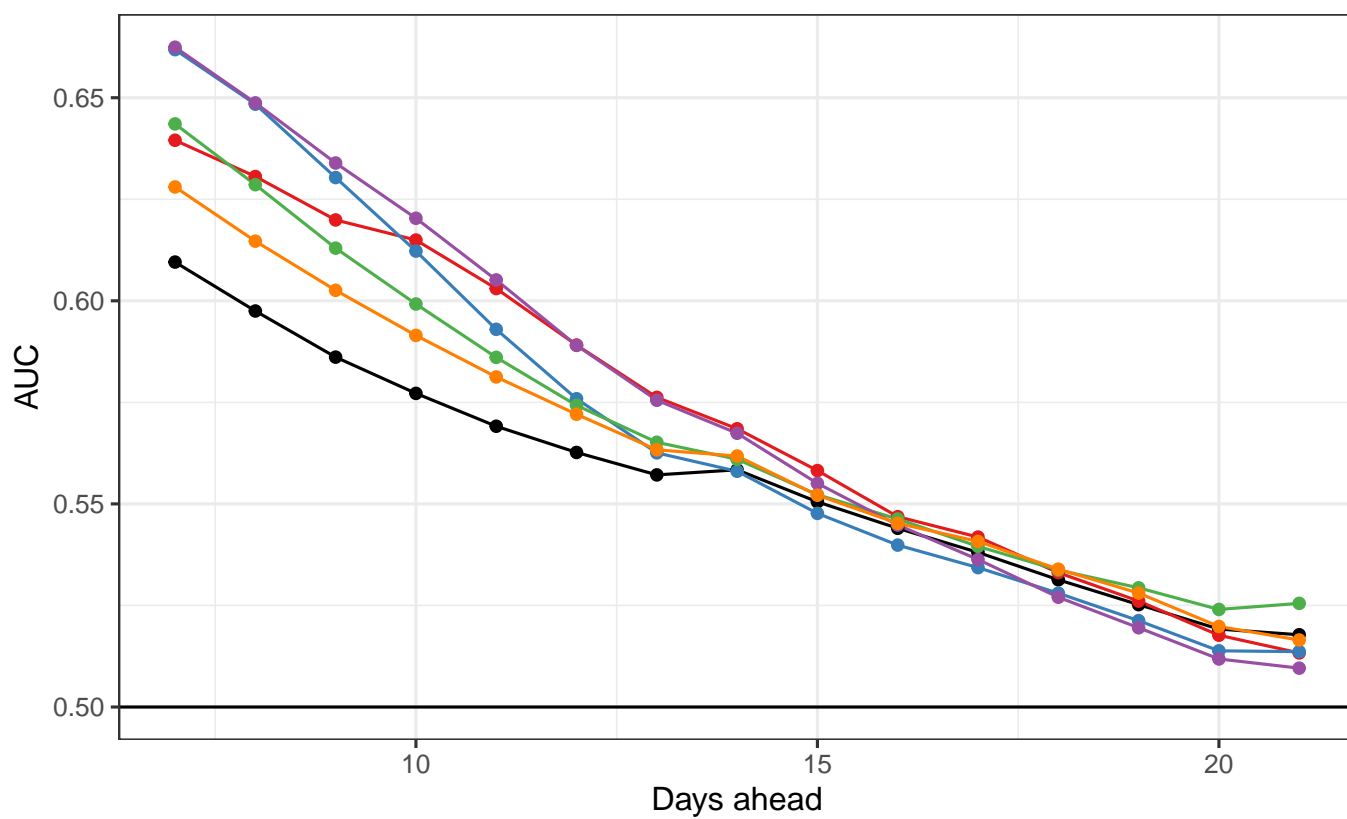




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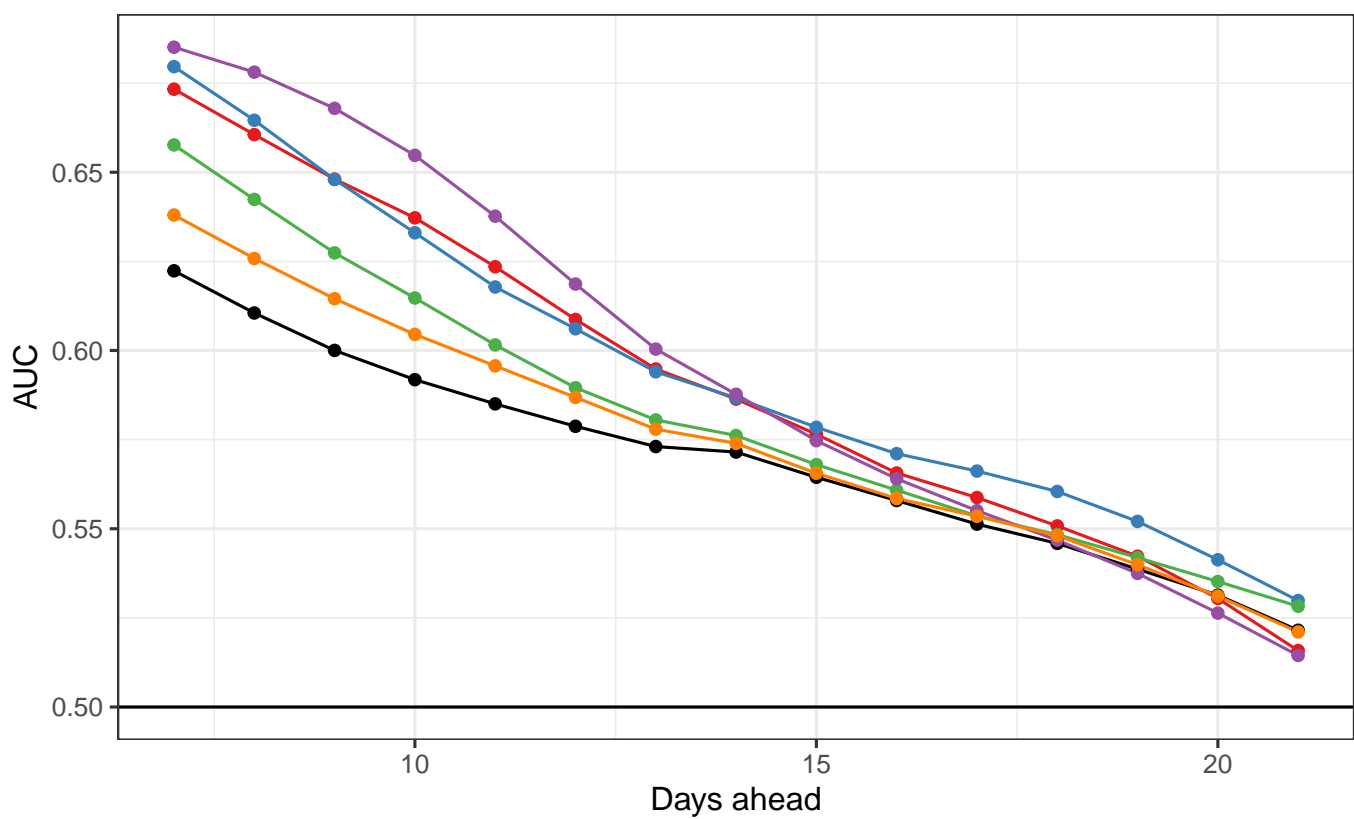
56 **B. Trajectories (deprecated).**

57 **C. Hotspots.**

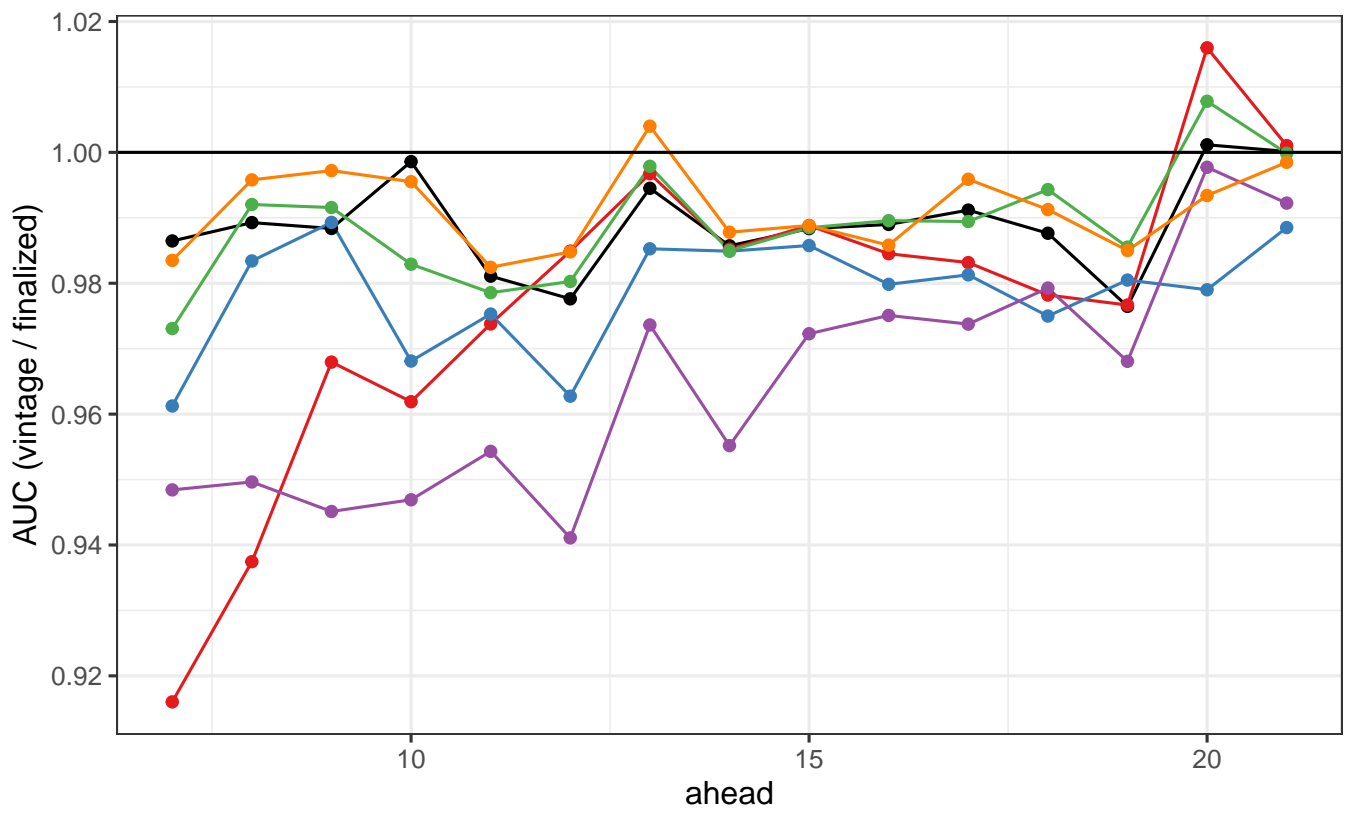


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—●— AR —●— CHNG-CLI —●— CHNG-COV —●— CTIS-CLIIC —●— DV-CLI —●— Google-AA



AR CHNG-CLI CHNG-COV CTIS-CLIC DV-CLI Google-AA



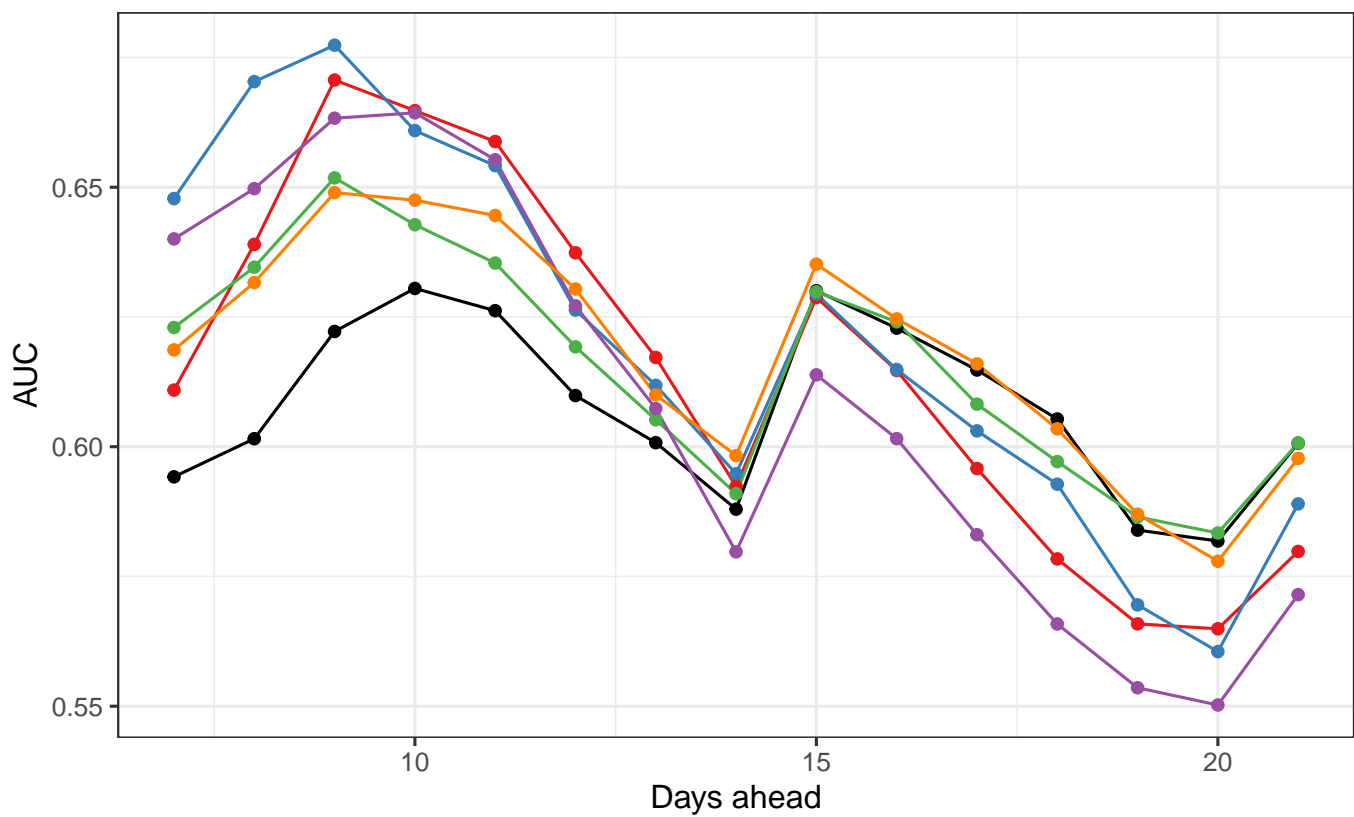
—●— AR —●— CHNG-CLI —●— CHNG-COV —●— CTIS-CLIIC —●— DV-CLI —●— Google-AA

60

61 C.1. All periods.

Author1, Author2 and Author3 (complete author list)

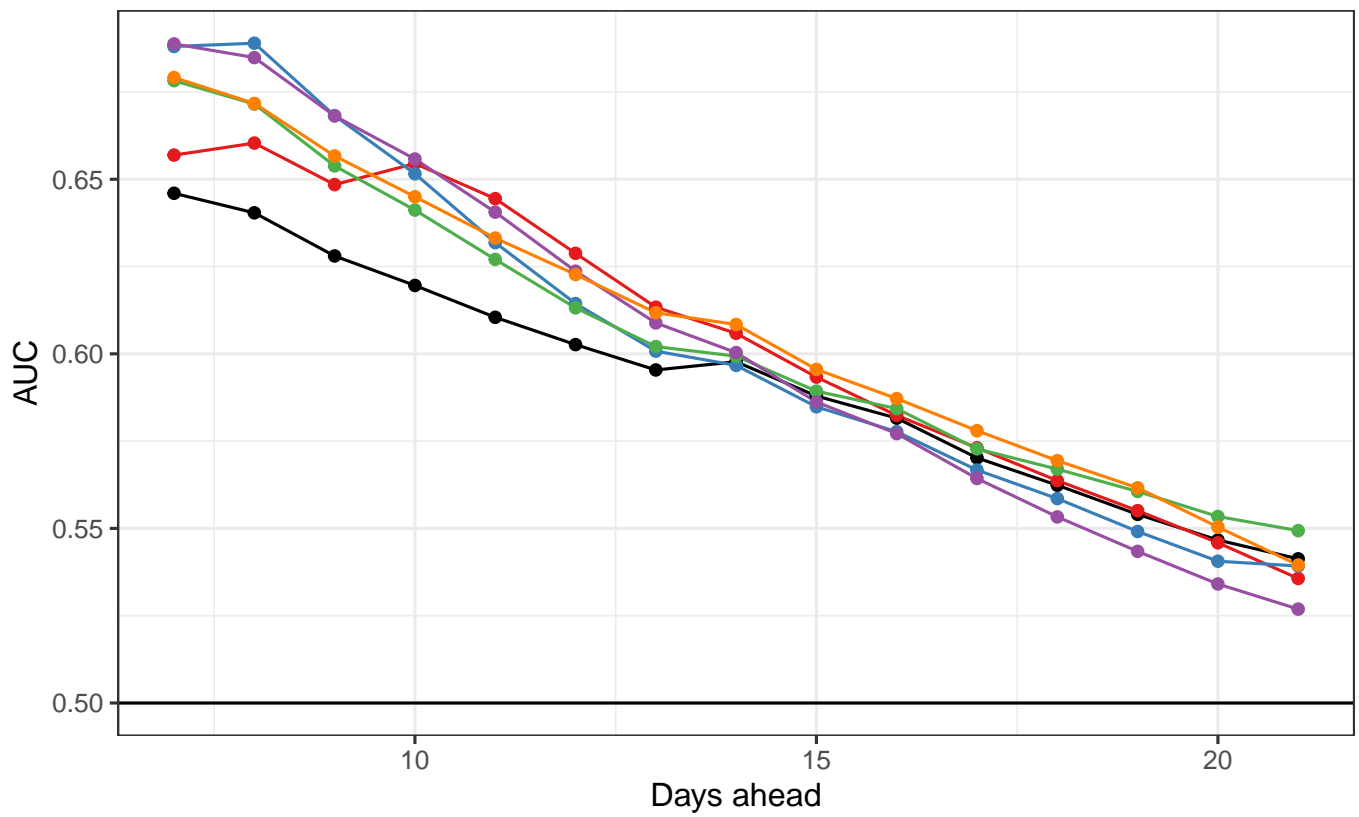
15 of 28



AR CHNG-CLI CHNG-COV CTIS-CLIC DV-CLI Google-AA

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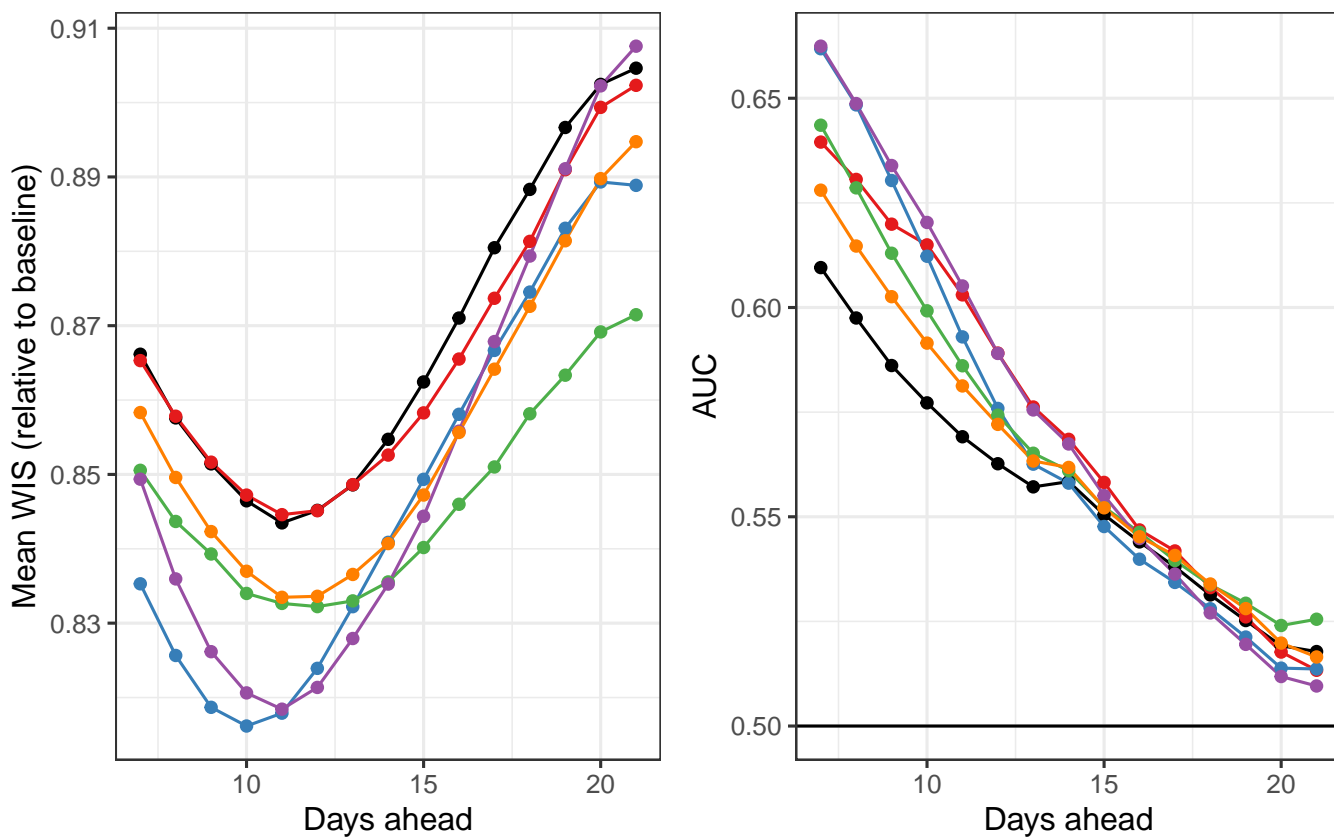
63 C.2. Only GS locations.



AR CHNG-CLI CHNG-COV CTIS-CLIIC DV-CLI Google-AA

C.3. Figure 5.

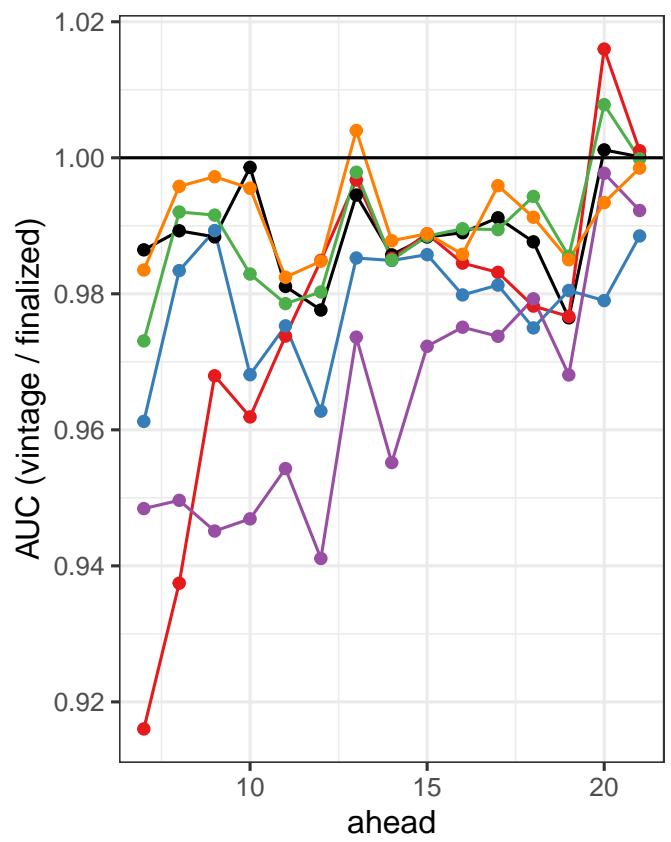
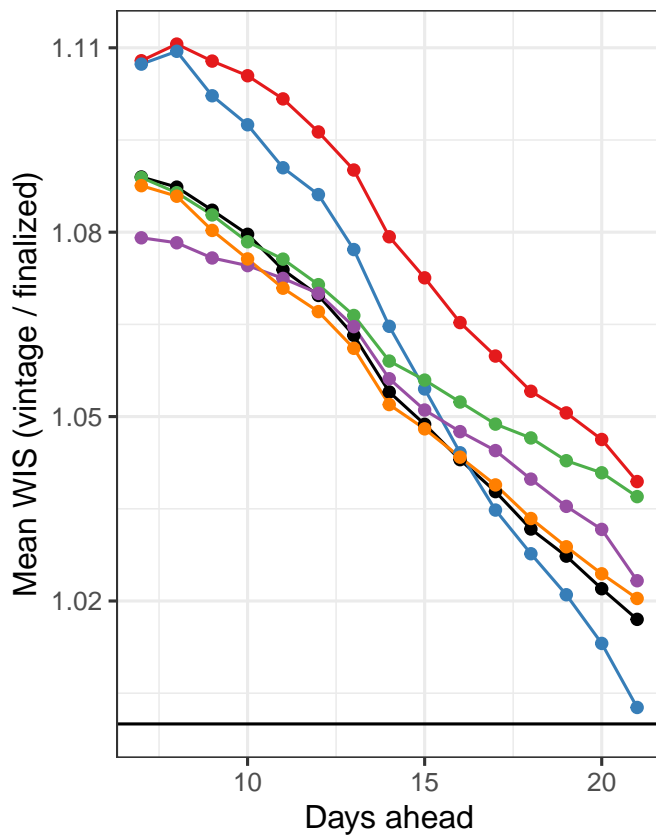
- Currently, this is the “main” figure. WIS and hotspots, 2 panels, only 2020, honest training.



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68 **C.4. Figure 6 (misleading retrospective analysis).**

69 • WIS and hotspots, 2 panels, only 2020, honest training.

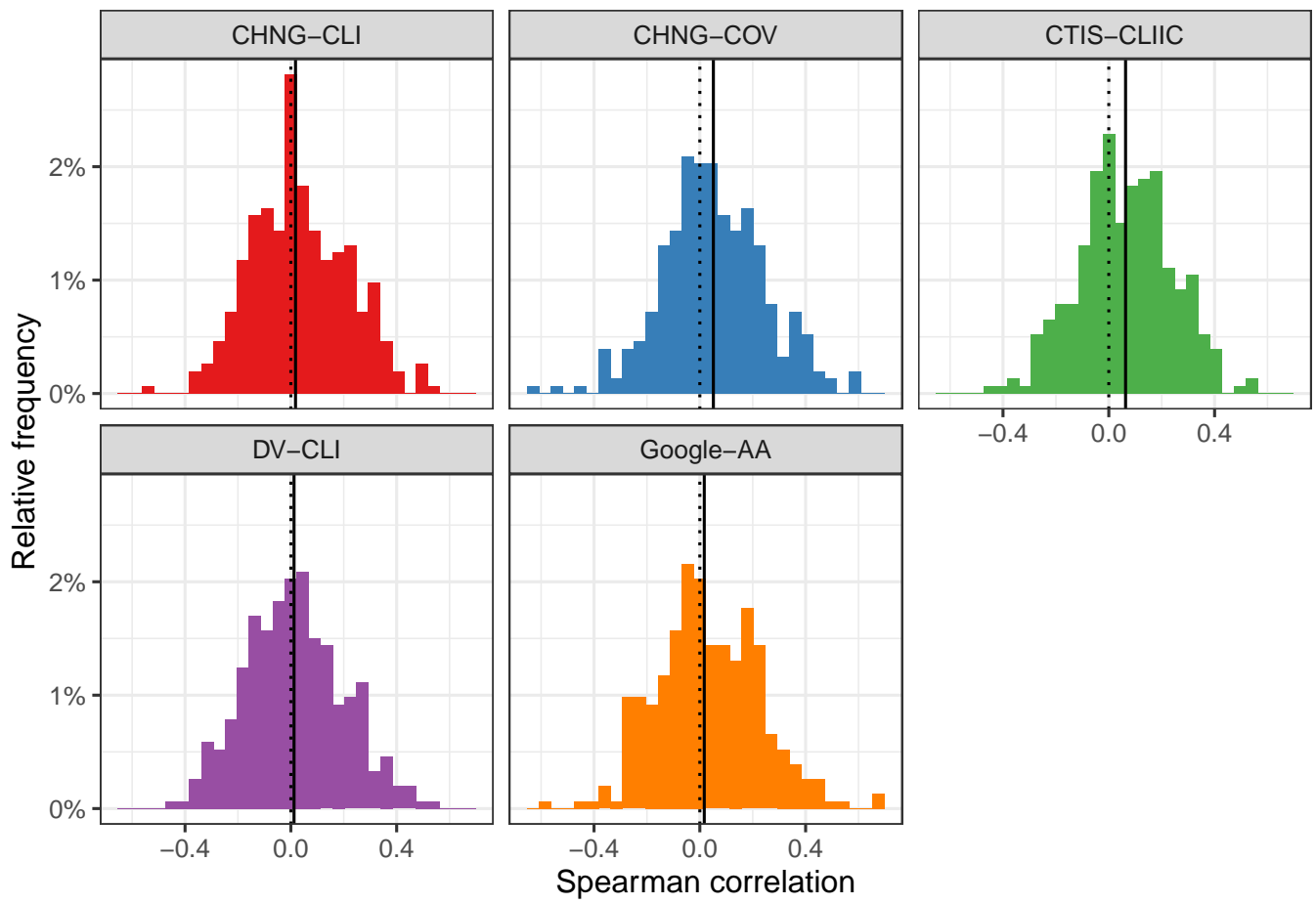


● AR
 ● CHNG-CLI
 ● CHNG-COV
 ● CTIS-CLIC
 ● DV-CLI
 ● Google-AA

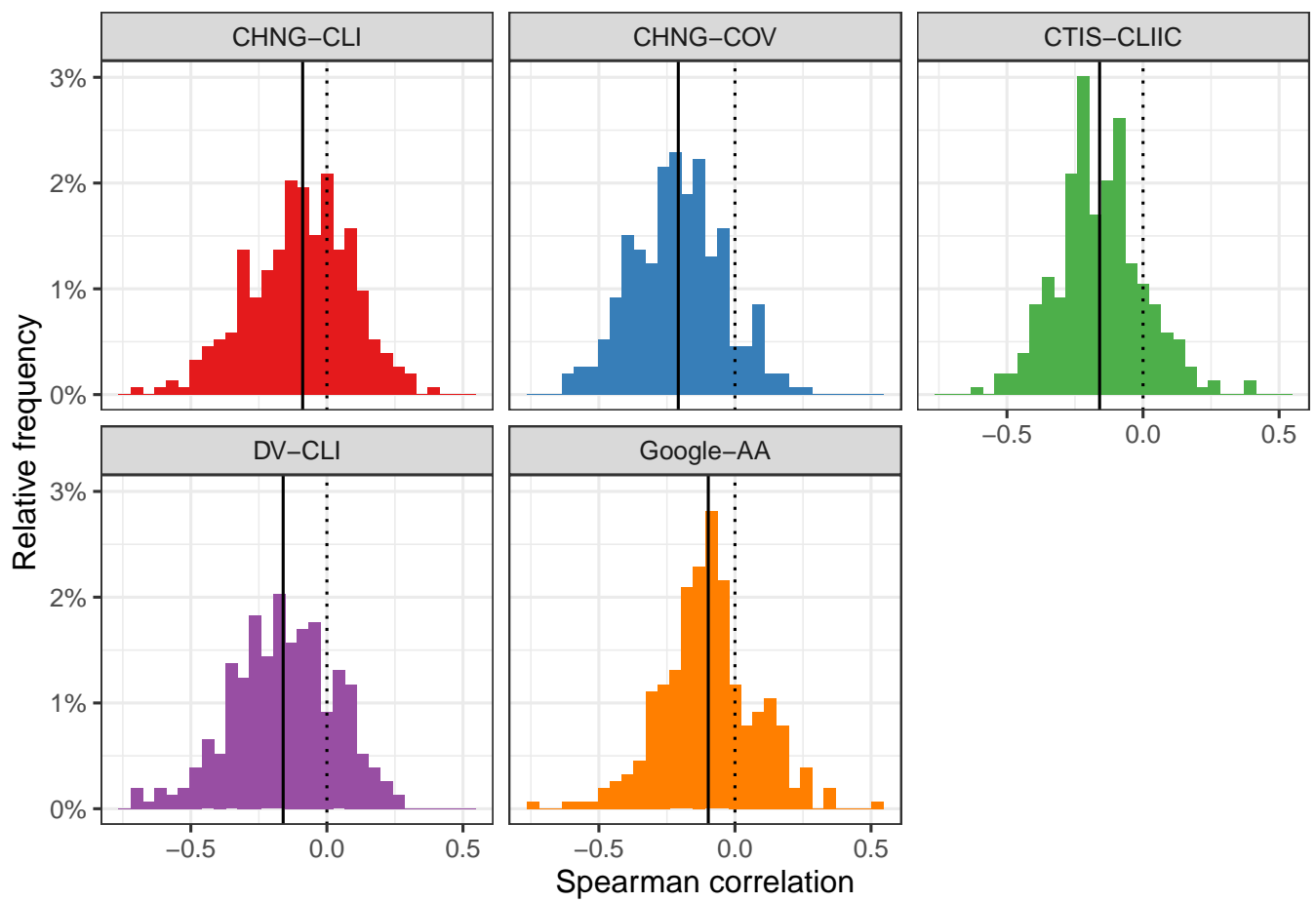
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71 **D. Correlations with lagged actuals.**

Author1, Author2 and Author3 (complete author list)

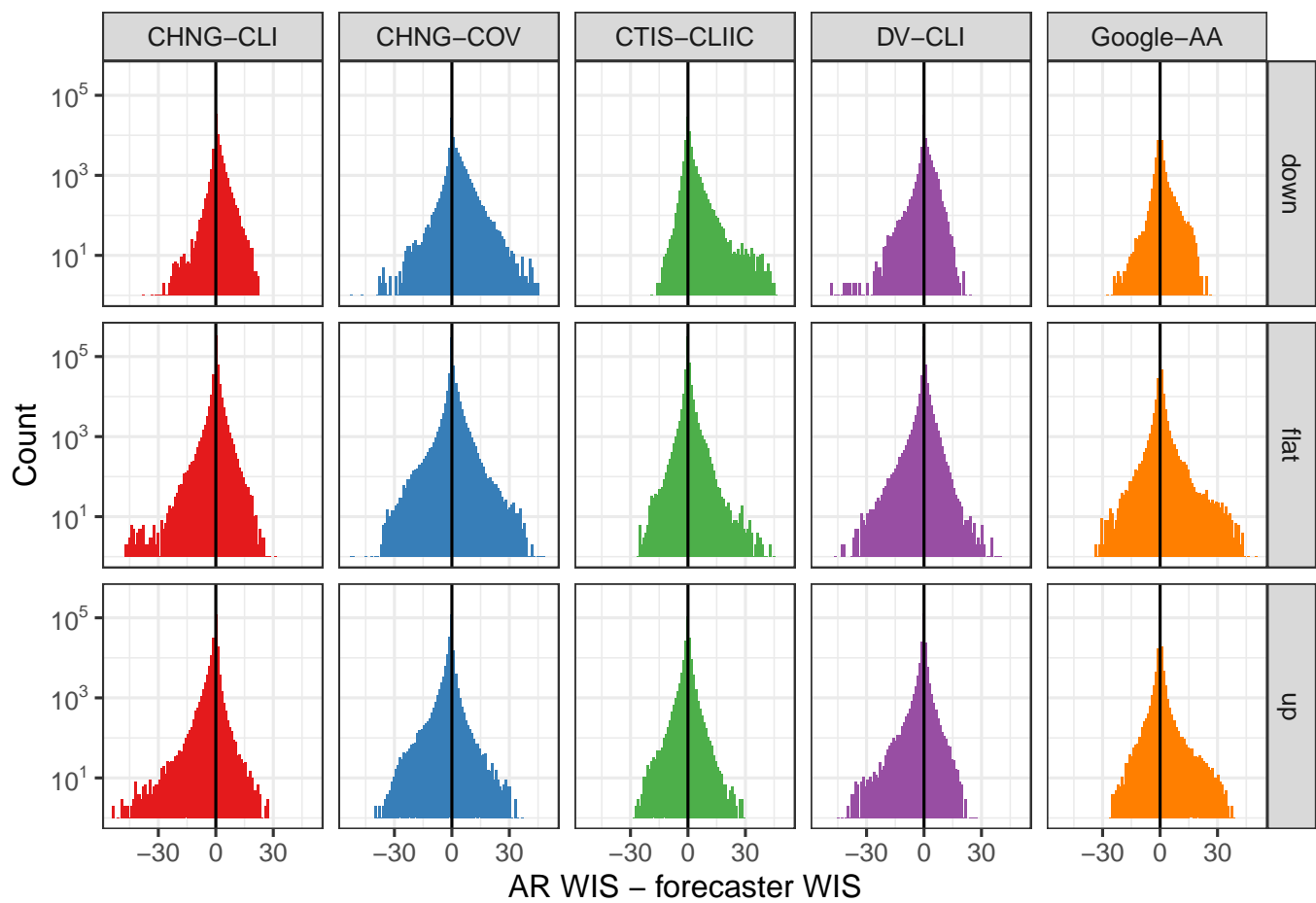


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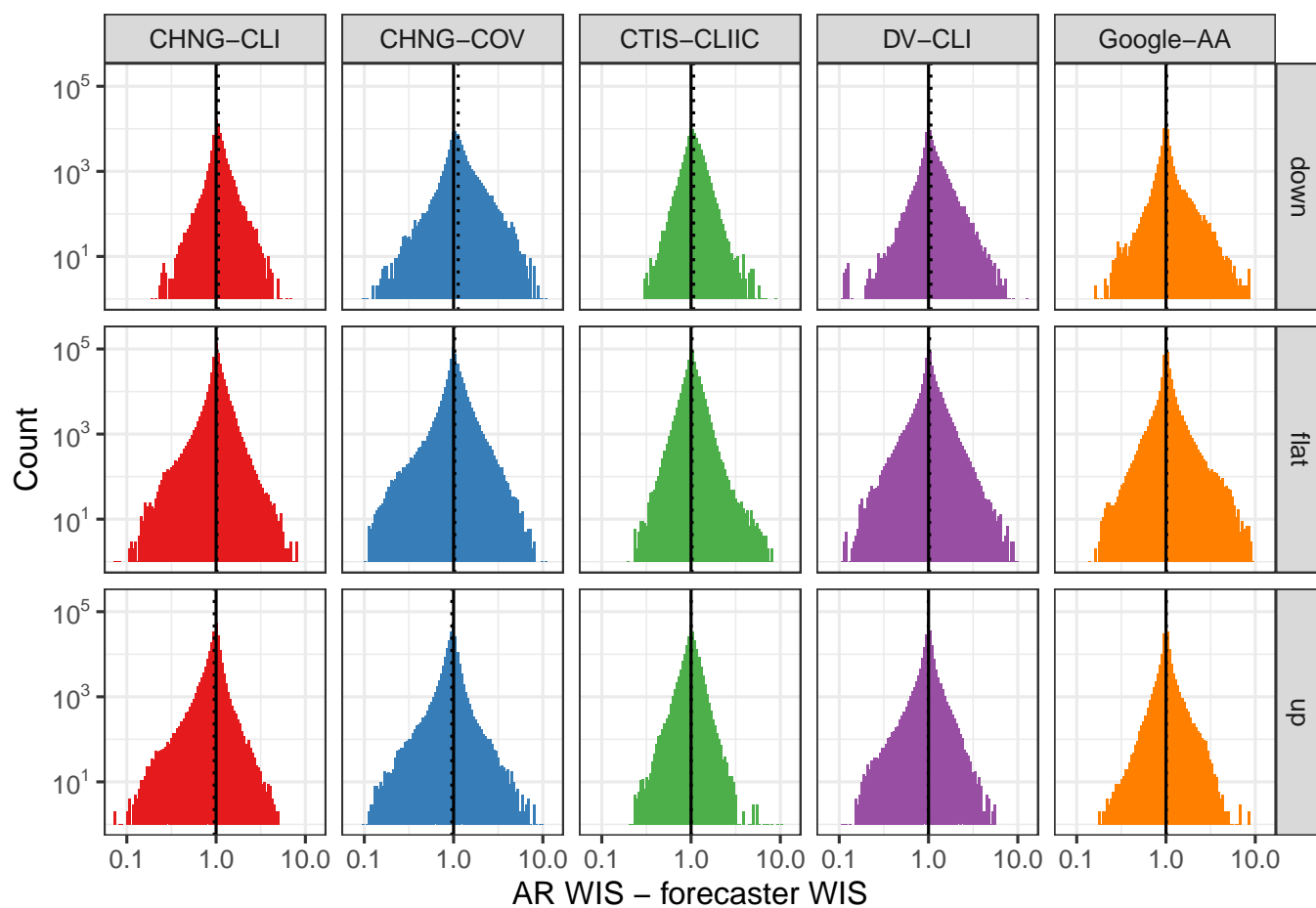


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74 **E. Upswings vs downswings.**



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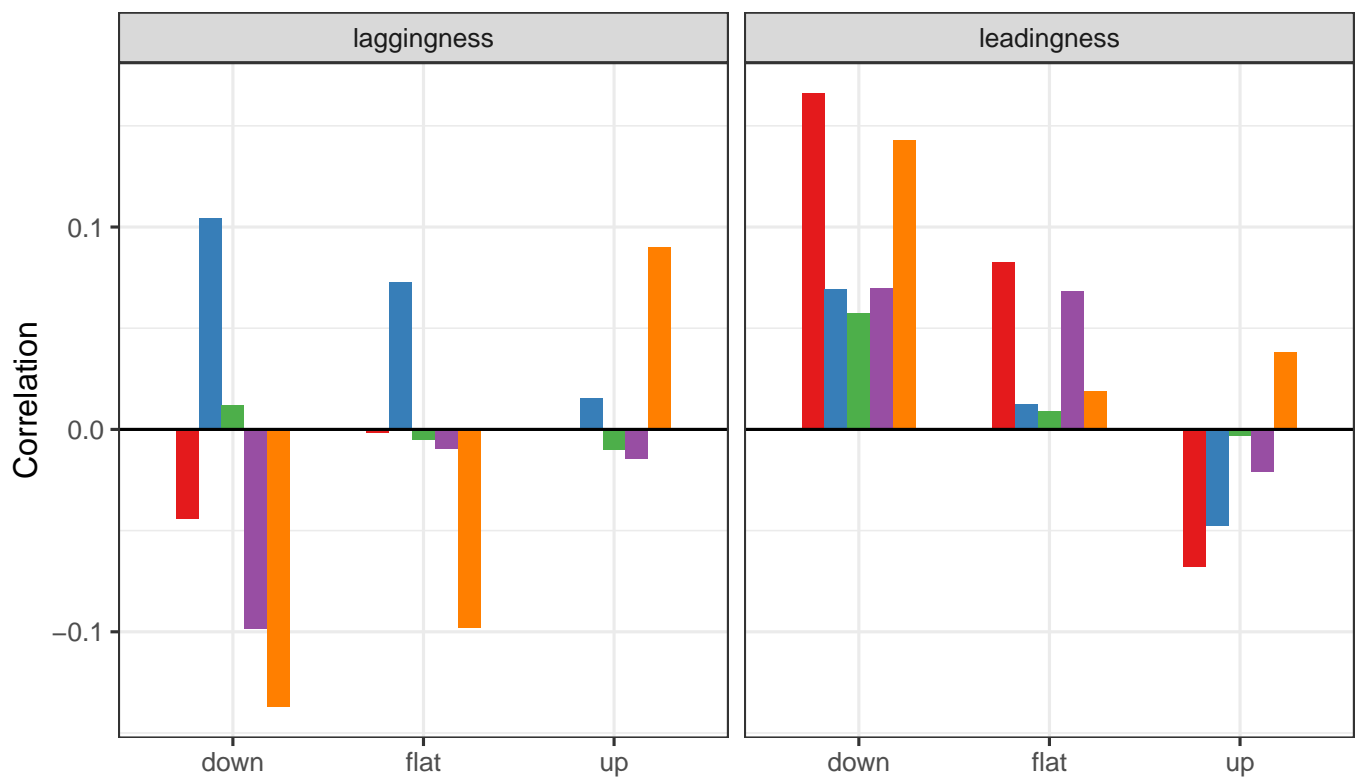


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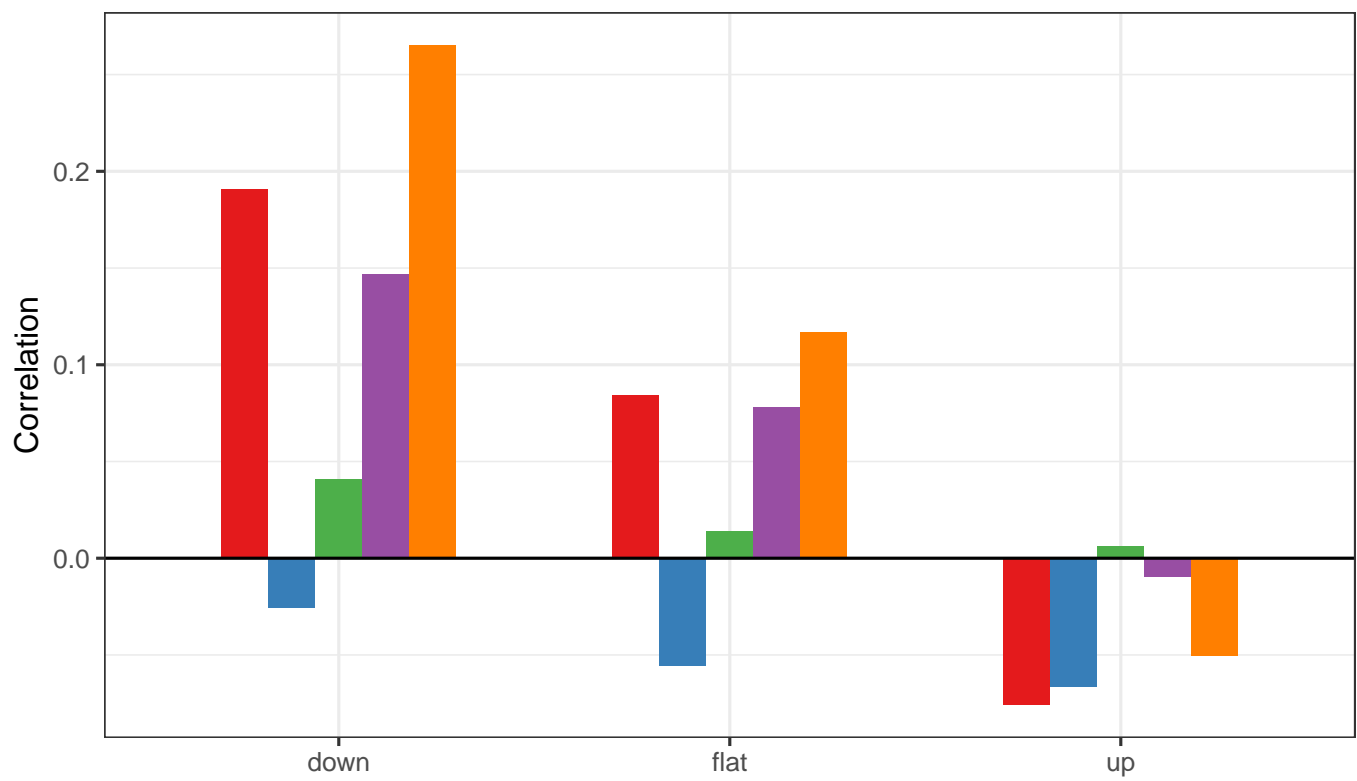
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udf	CHNG-CLI	CHNG-COV	CTIS-CLIIC	DV-CLI	Google-AA
down	0.79	0.80	0.83	0.81	0.81
flat	0.12	0.17	0.28	0.18	0.17
up	-0.57	-0.56	-0.53	-0.53	-0.47

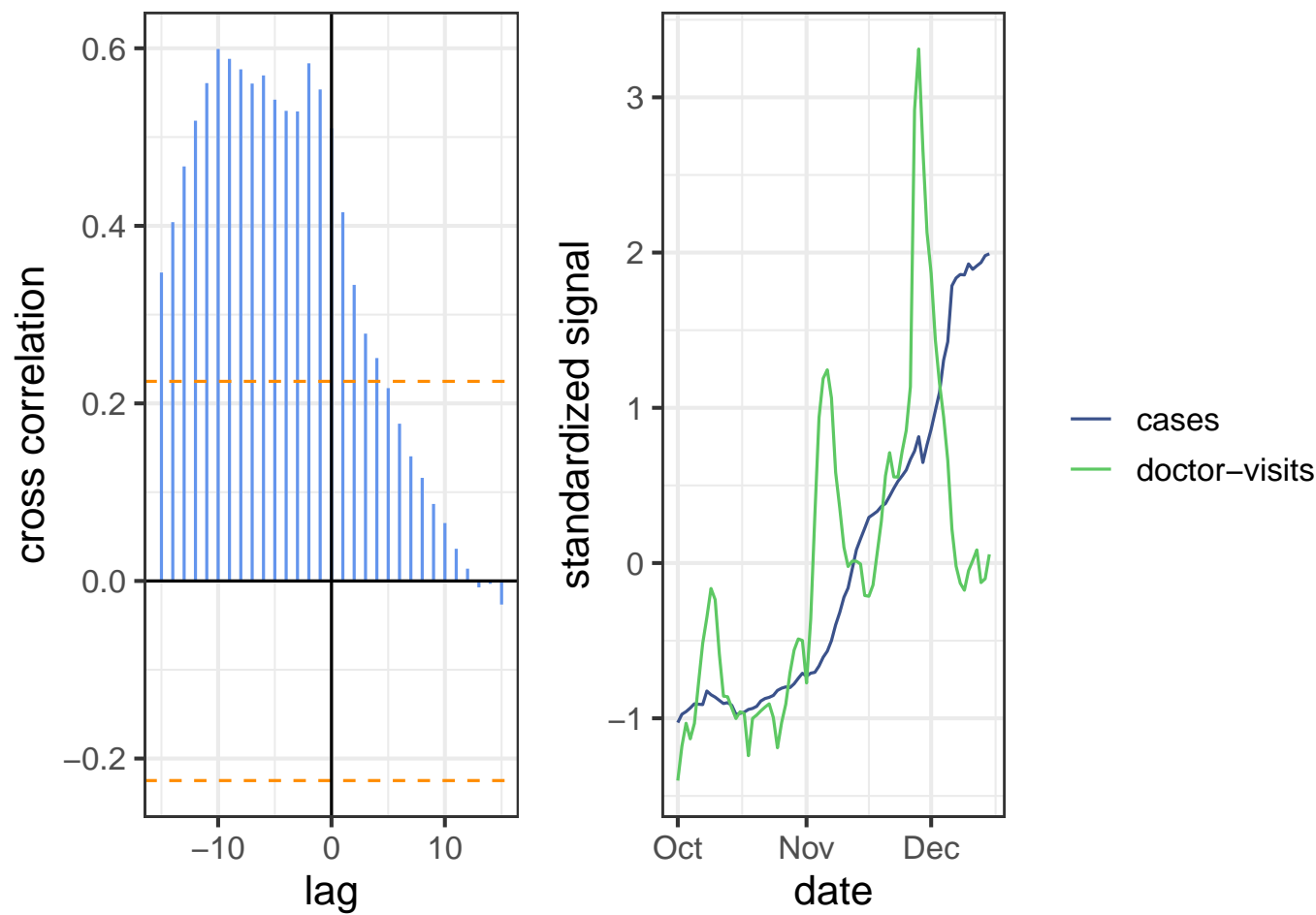
78 F. Leadingness and laggingness.

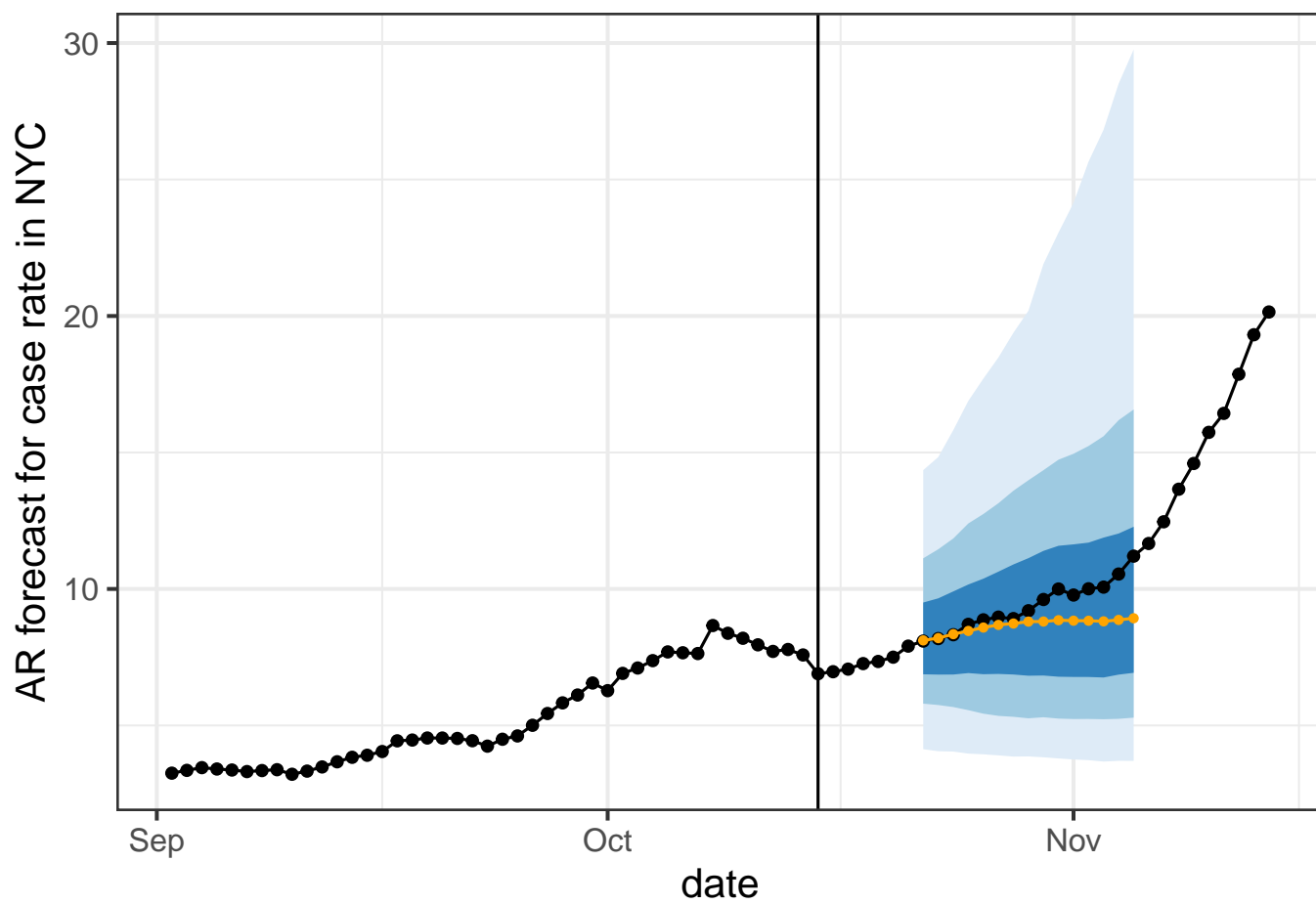


CHNG-CLI CHNG-COV CTIS-CLIIC DV-CLI Google-AA

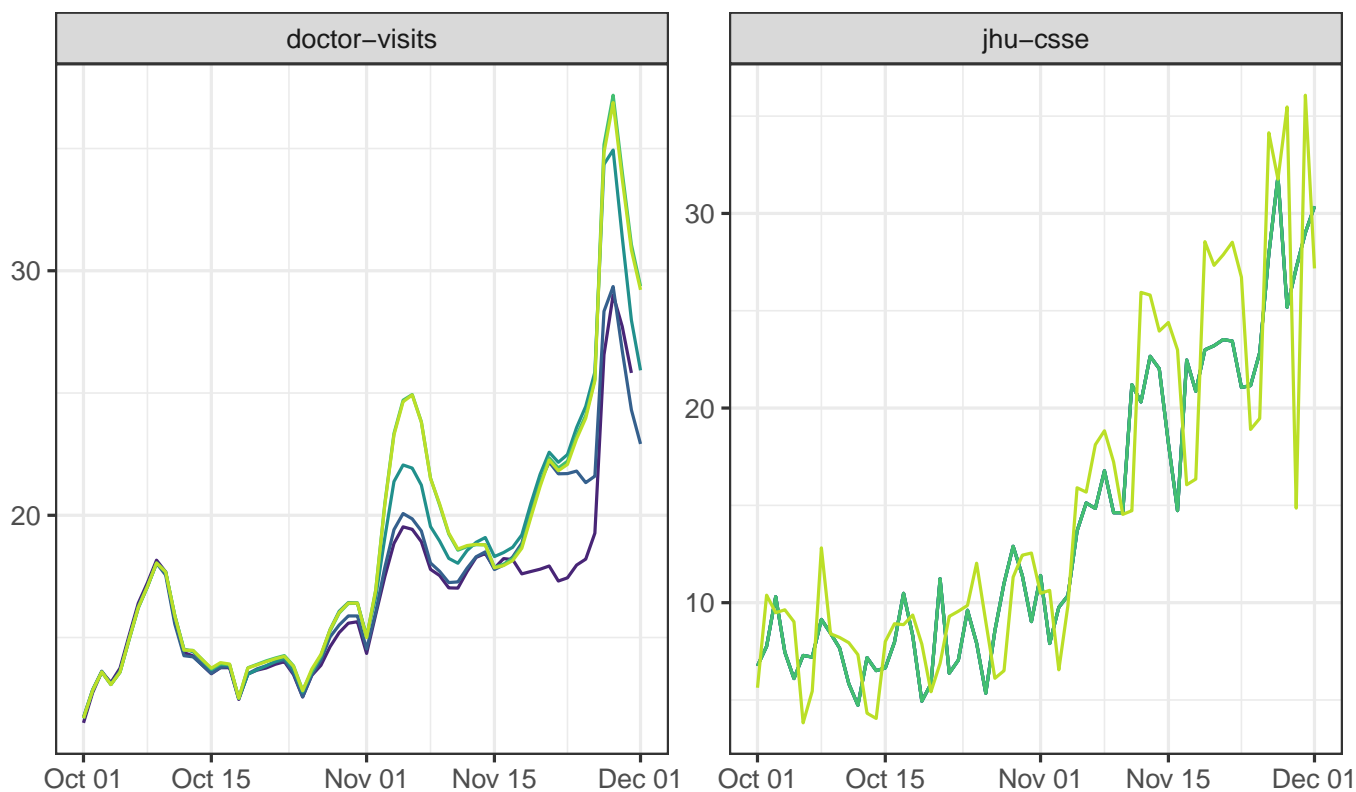


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— Dec 03 — Dec 10 — Dec 17 — Dec 24 — Dec 31

84

85 **Movie S1.** Type legend for the movie here.

86 **Movie S2.** Type legend for the other movie here. Adding longer text to show what happens, to decide on
87 alignment and/or indentations.

88 **Movie S3.** A third movie, just for kicks.

89 **SI Dataset S1 (dataset_one.txt)**

90 Type or paste legend here.

91 **SI Dataset S2 (dataset_two.txt)**

92 Type or paste legend here. Adding longer text to show what happens, to decide on alignment and/or indentations for
93 multi-line or paragraph captions.

94 **References**