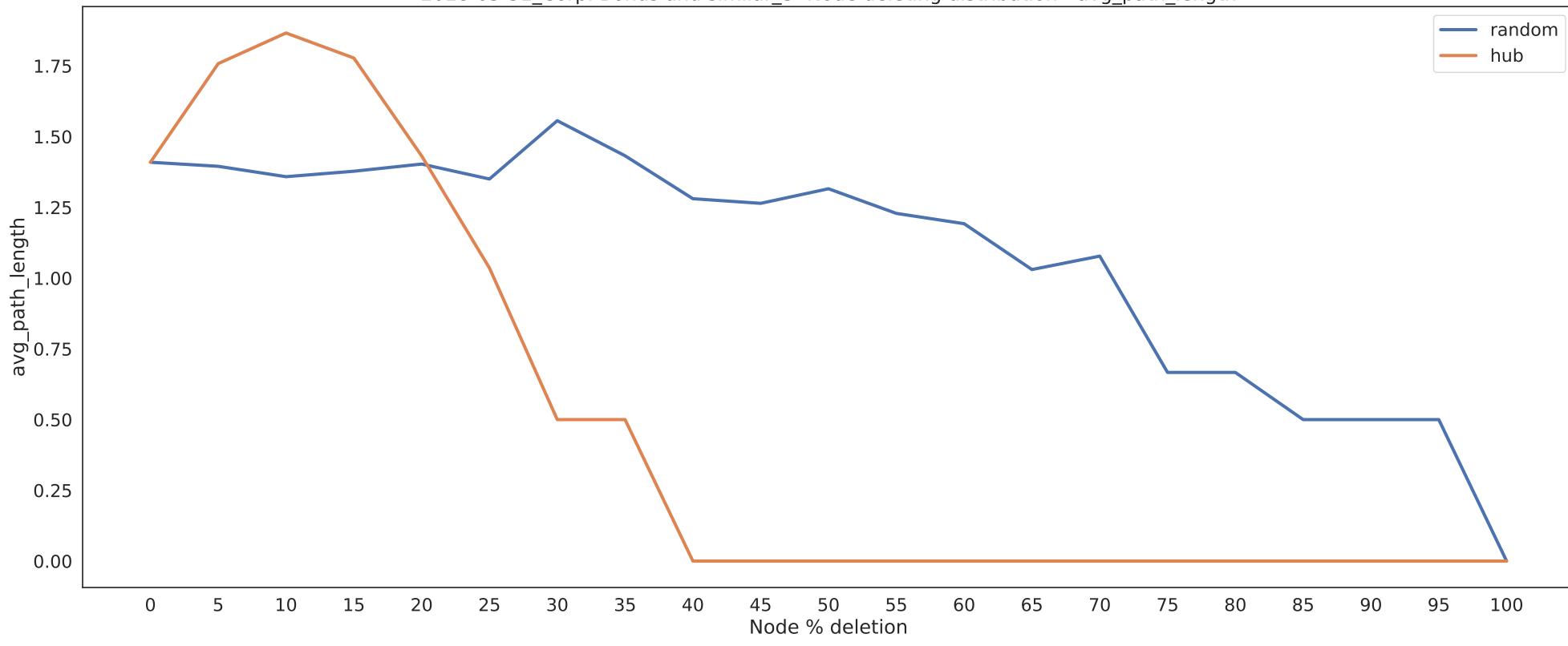
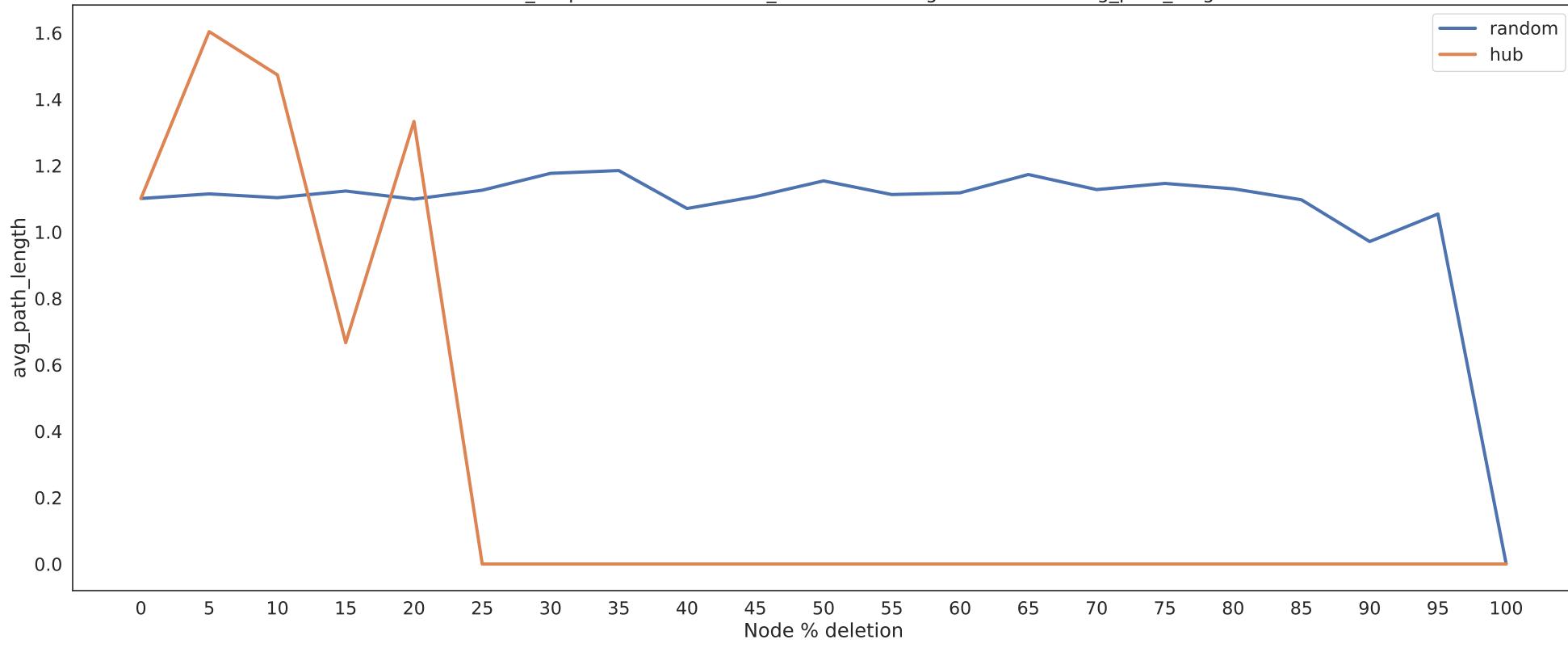
2018-05-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length

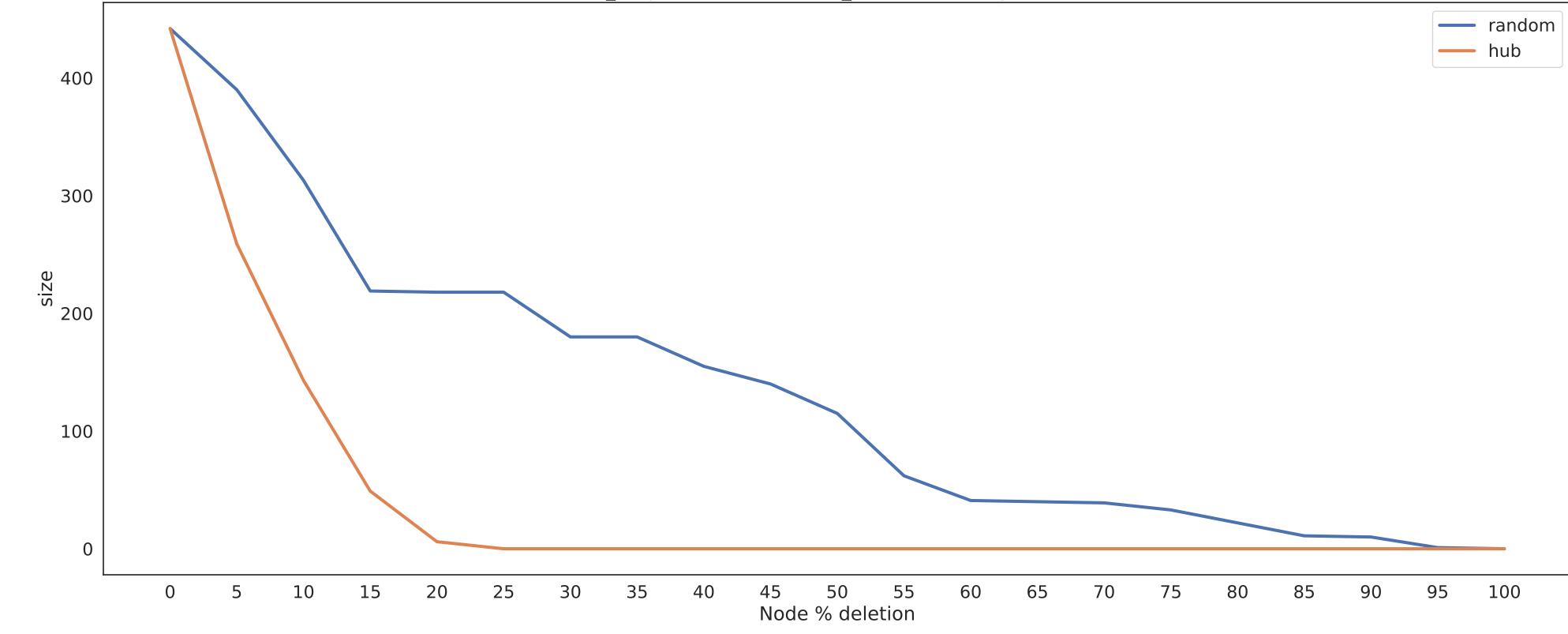


2018-05-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 8 200 Si. Node % deletion

2018-06-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length



2018-06-30\_Corp. Bonds and similar\_S- Node deleting distribution - size



2018-07-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random — hub 1.4 1.2 1.0 avg\_path\_length 0.4 0.2 0.0 Node % deletion

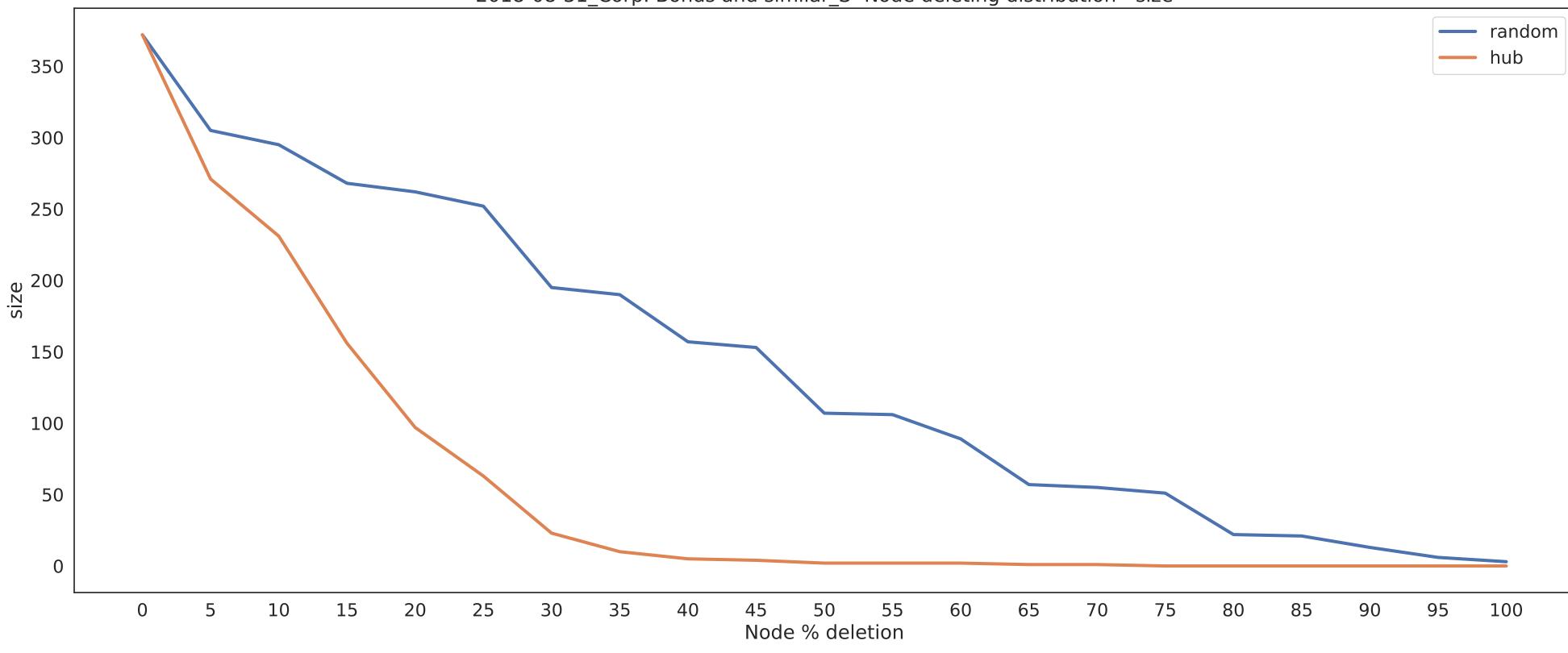
2018-07-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 

Node % deletion

size

2018-08-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.22 2.00 0.50 0.25 0.00 Node % deletion

2018-08-31\_Corp. Bonds and similar\_S- Node deleting distribution - size



2018-09-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.7 24.0 0.50 0.25 0.00 Node % deletion

2018-09-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 200 SZA Node % deletion

2018-10-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.6 — random — hub 1.4 1.2 avg\_path\_length o 0 0 e 0 0 0 0.4 0.2 0.0 Node % deletion

2018-10-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub S 200 Node % deletion

2018-11-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.6 — hub 1.4 1.2 avg\_path\_length o 0 0:0 o 0:0 0.4 0.2 0.0 Node % deletion

2018-11-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub <u>S</u>Z Node % deletion

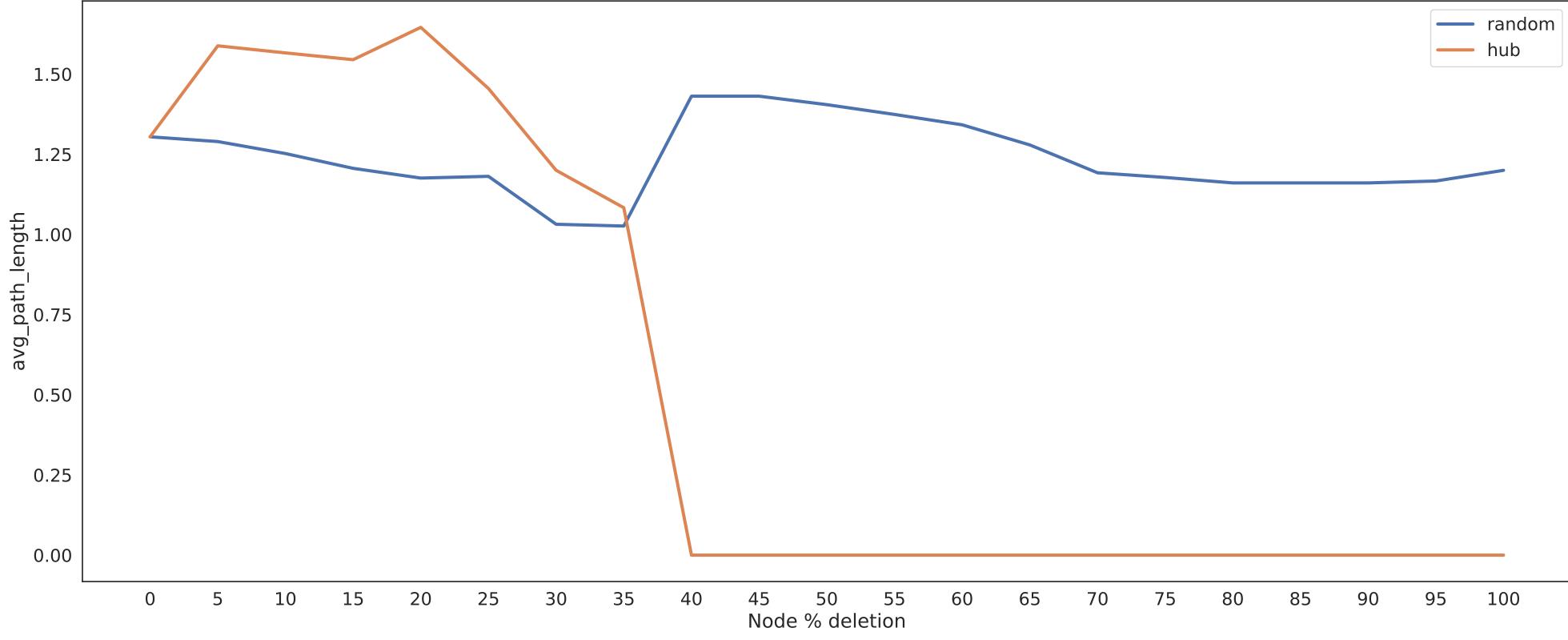
2018-12-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.7 24.0 0.1 0.50 0.25 0.00 Node % deletion

2018-12-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub size Node % deletion

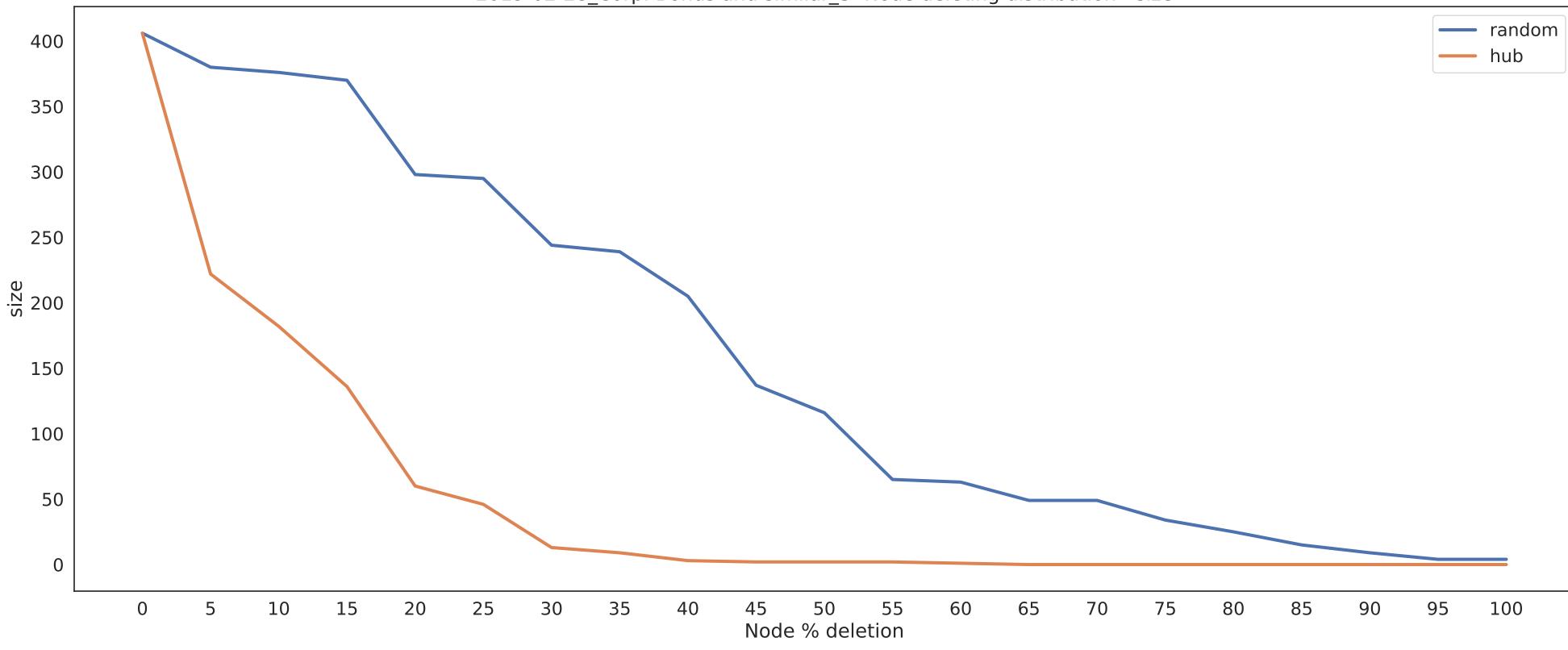
2019-01-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.6 — random — hub 1.4 1.2 avg\_path\_length 0 0 0 9 0 0 0.4 0.2 0.0 Node % deletion

2019-01-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub size 200 Node % deletion

2019-02-28\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length



2019-02-28\_Corp. Bonds and similar\_S- Node deleting distribution - size



2019-03-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random — hub 1.75 1.50 1.25 avg\_path\_length .0 0.12 0.50 0.25 0.00 Node % deletion

2019-03-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub size 200 Node % deletion

2019-04-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.7 2.0 2.0 0.50 0.25 0.00 Node % deletion

2019-04-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub

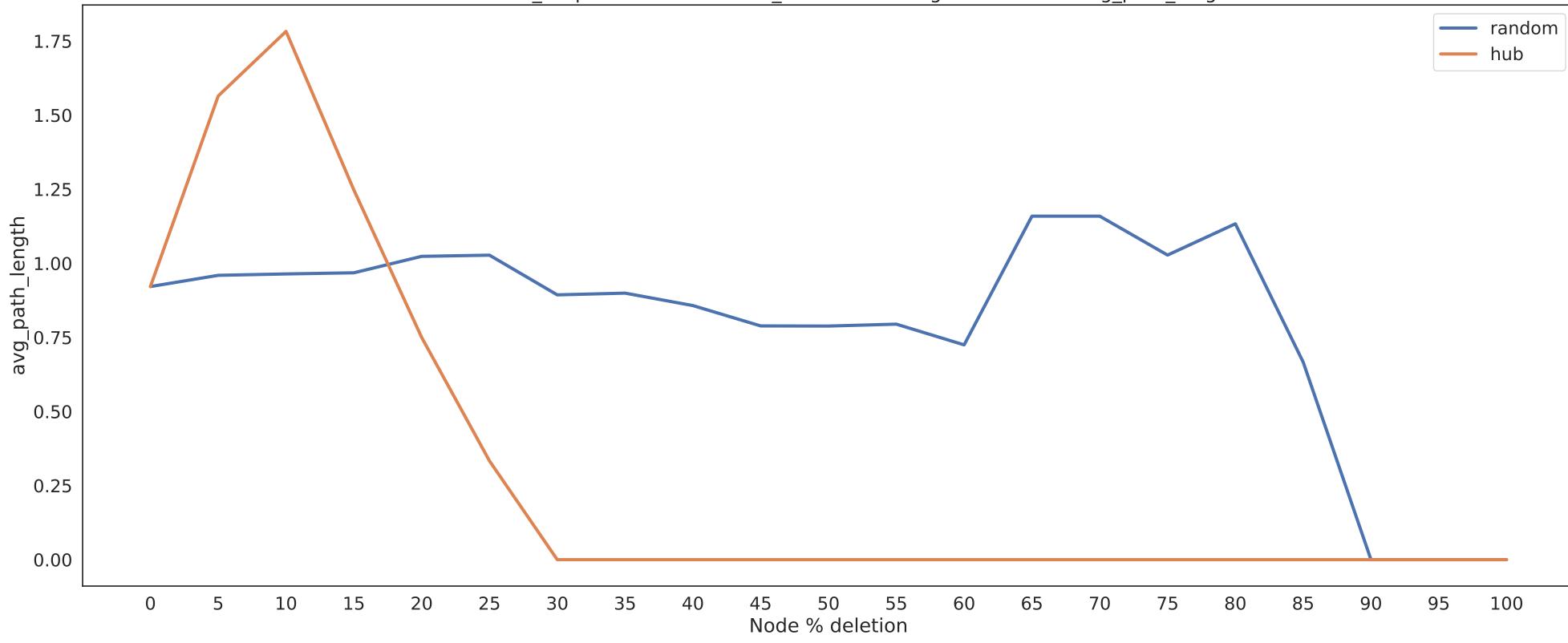
Node % deletion

size

2019-05-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.6 — random — hub 1.4 1.2 avg\_path\_length 0 0 0 0 9 0 0 0.4 0.2 0.0 Node % deletion

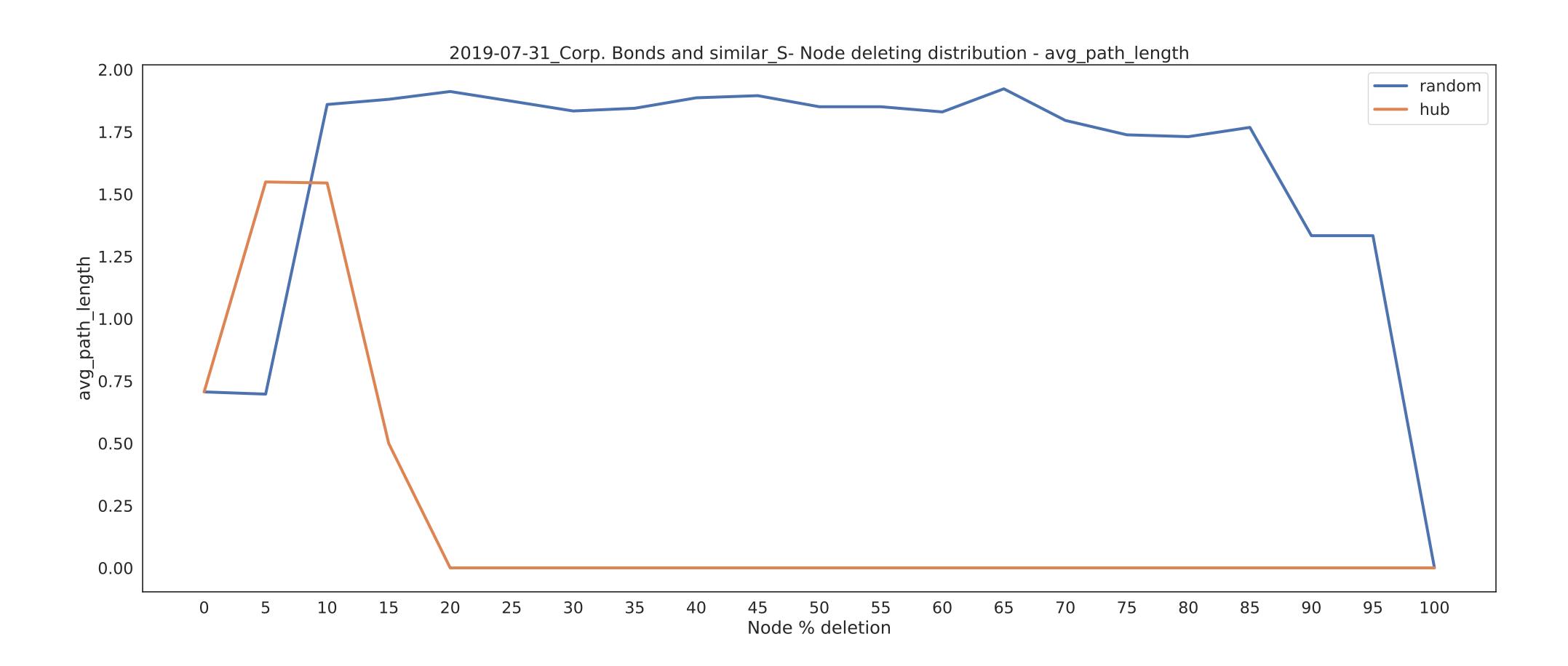
2019-05-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub <u>SZ</u> 200 Node % deletion

2019-06-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length



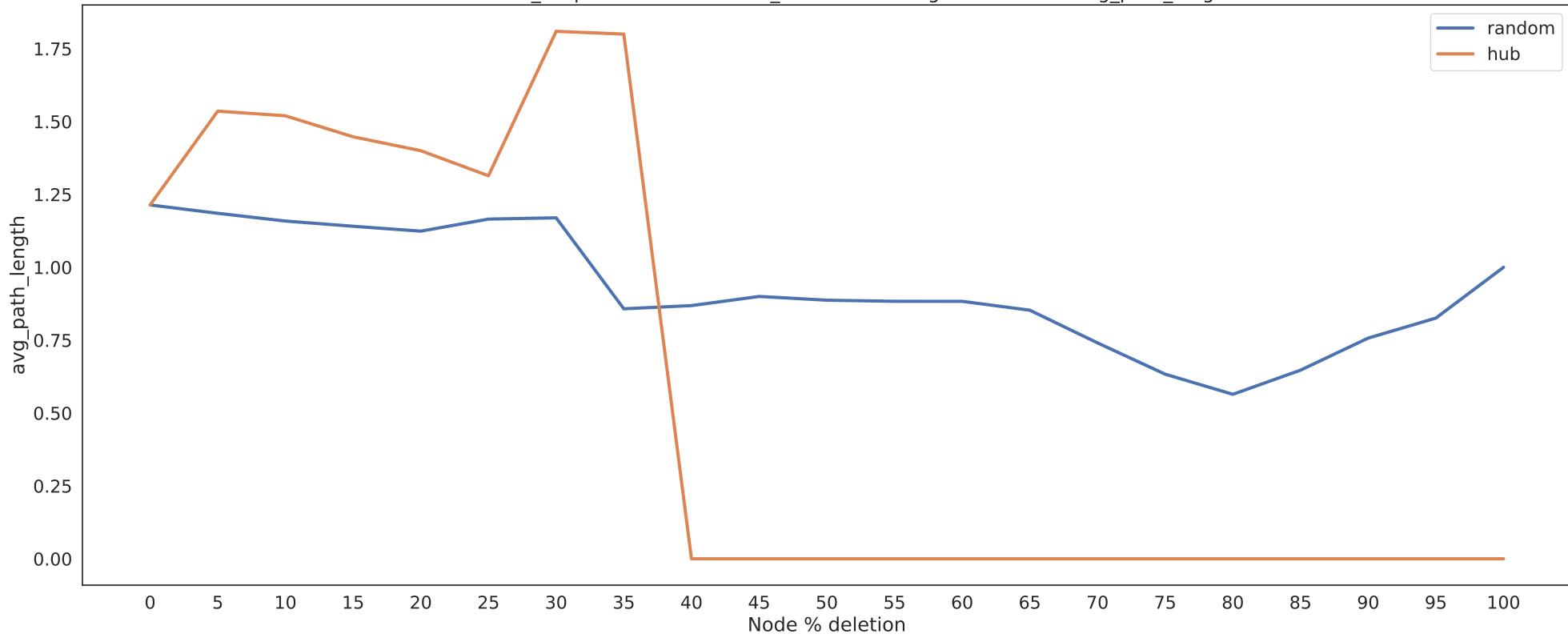
2019-06-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 8 200 200 

Node % deletion



2019-07-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub size Node % deletion

2019-08-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length



2019-08-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 

<u>S</u>Z<sub>9</sub>

Node % deletion

2019-09-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.0 22.0 0.50 0.25 0.00 Node % deletion

2019-09-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub .<del>S</del> 200 Node % deletion

2019-10-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.022 0.50 0.25 0.00 Node % deletion

2019-10-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub size Node % deletion

2019-11-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.75 — random — hub 1.50 1.25 avg\_path\_length 0.0 22.0 0.50 0.25 0.00 Node % deletion

2019-11-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 

.<u>S</u> 200

Node % deletion

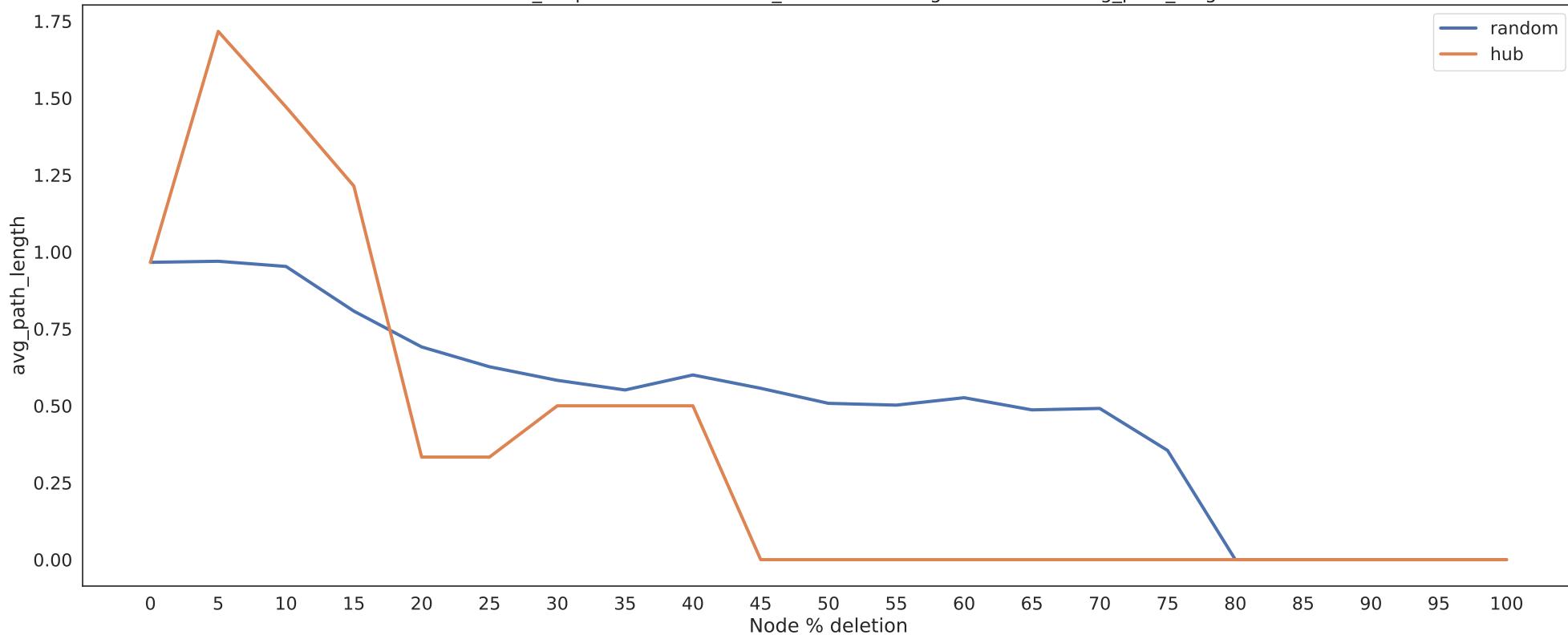
2019-12-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.022 0.50 0.25 0.00 Node % deletion

2019-12-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub

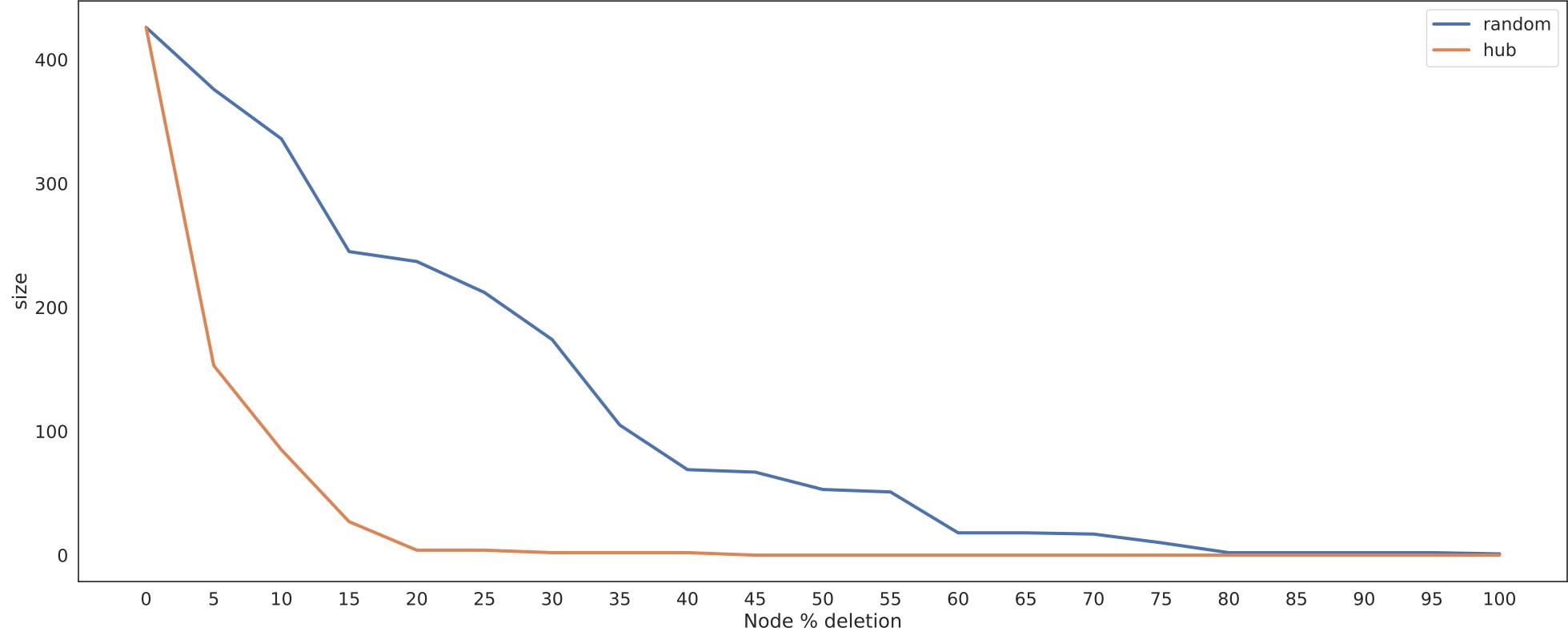
Node % deletion

size

2020-01-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length



2020-01-31\_Corp. Bonds and similar\_S- Node deleting distribution - size



2020-02-29\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.7 24.0 0.50 0.25 0.00 Node % deletion

2020-02-29\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub .<u>S</u> 200 

2020-03-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0. 22. 0. 0.50 0.25 0.00 Node % deletion

2020-03-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub <u>S</u> 200 Node % deletion

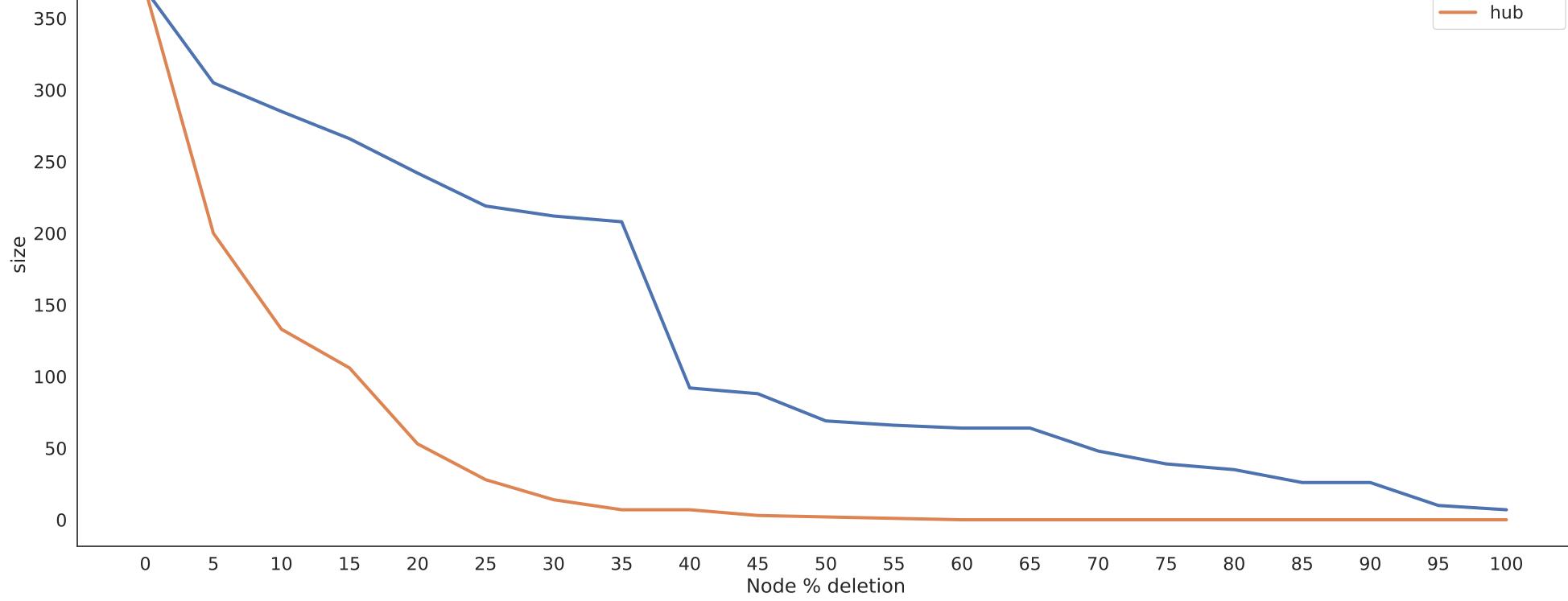
2020-04-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0. 22. 0. 0.50 0.25 0.00 Node % deletion

2020-04-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 200 <u>S</u>Z 

2020-05-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random — hub 1.75 1.50 avg\_path\_length 0.75 0.75 0.50 0.25 0.00 Node % deletion

2020-05-31\_Corp. Bonds and similar\_S- Node deleting distribution - size

— random



2020-06-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.6 — random — hub 1.4 1.2 avg\_path\_length 0 0 0 9 0 0 0.4 0.2 0.0 Node % deletion

2020-06-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub

. 200 size

Node % deletion

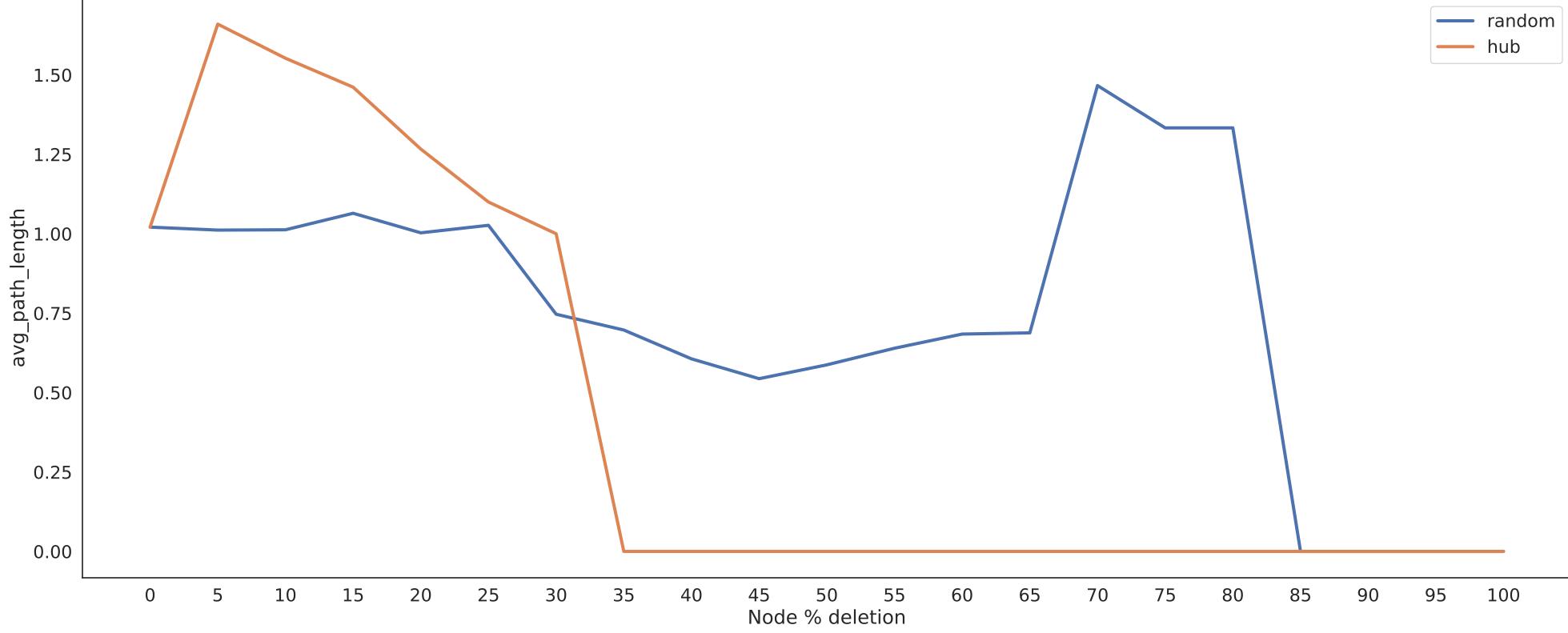
2020-07-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.1 22 0.1 0.50 0.25 0.00 Node % deletion

2020-07-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub .<u>S</u> 200 

2020-08-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.4 — random — hub 1.2 1.0 avg\_path\_length o o o 0.4 0.2 0.0 Node % deletion

2020-08-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub size Node % deletion

2020-09-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length



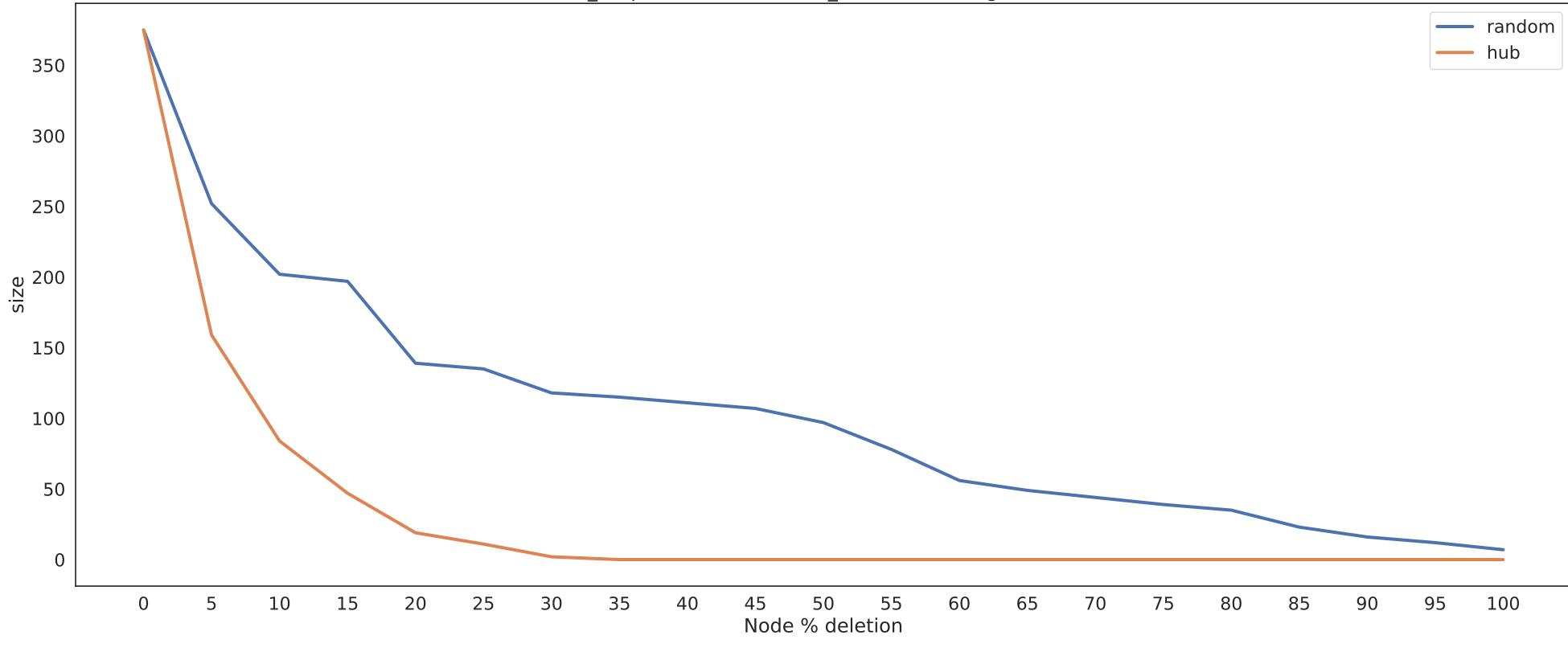
2020-09-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 8. 200 8. 200 Node % deletion

2020-10-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.75 — random — hub 1.50 1.25 avg\_path\_length 0.25 24.00 0.50 0.25 0.00 Node % deletion

2020-10-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 200 Size Node % deletion

2020-11-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.0 22.0 0.50 0.25 0.00 Node % deletion

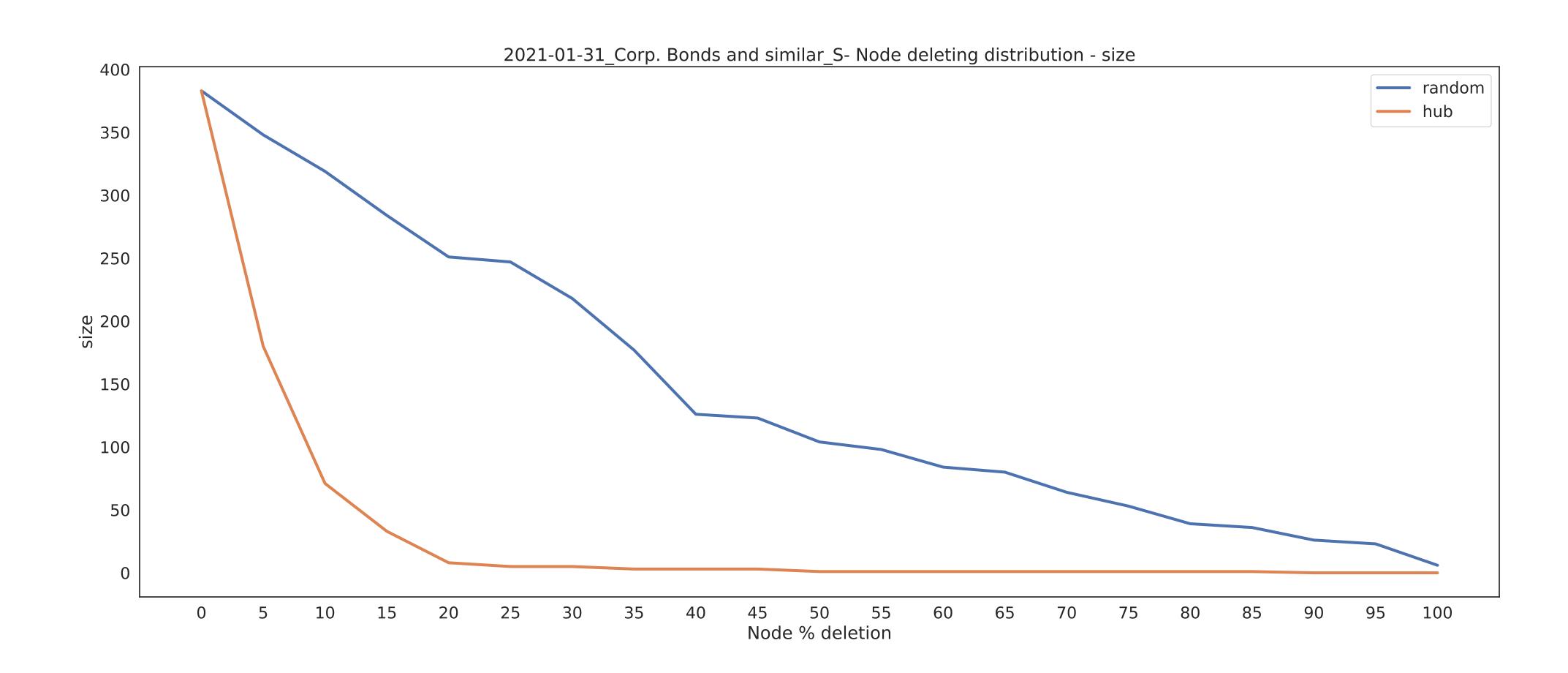
2020-11-30\_Corp. Bonds and similar\_S- Node deleting distribution - size



2020-12-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.6 — random — hub 1.4 1.2 avg\_path\_length o o o o o 0.4 0.2 0.0 

2020-12-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub Size 200 Node % deletion

2021-01-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.6 — random — hub 1.4 1.2 avg\_path\_length 0 0 0 9 0 0 0.4 0.2 0.0 Node % deletion



2021-02-28\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.7 24.0 0.50 0.25 0.00 Node % deletion

2021-02-28\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub Size 200 | 

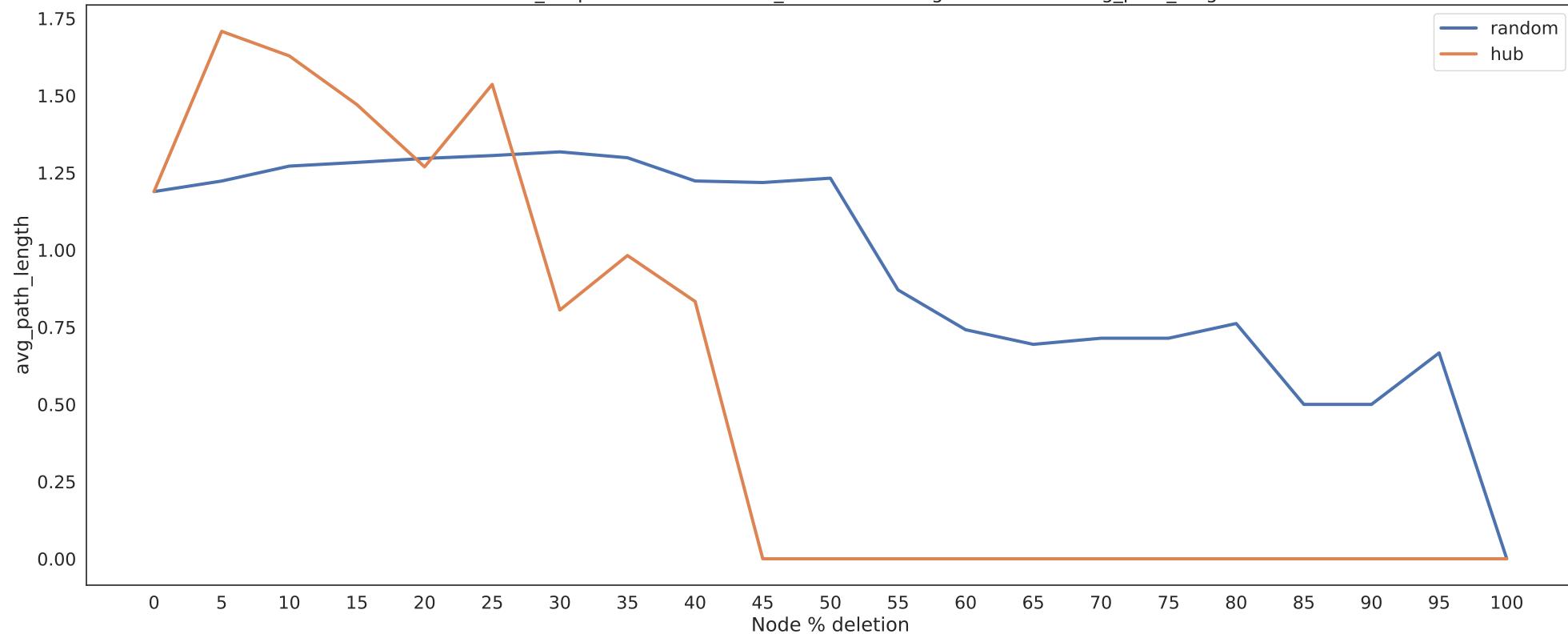
2021-03-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length 1.75 — random — hub 1.50 1.25 avg\_path\_length 0.25 54 0.50 0.25 0.00 Node % deletion

2021-03-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub <u>S</u> 200 Node % deletion

2021-04-30\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random — hub 1.50 1.25 avg\_path\_length 0.75 24.00 0.50 0.25 0.00 

2021-04-30\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub Size 200 | Node % deletion

2021-05-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length

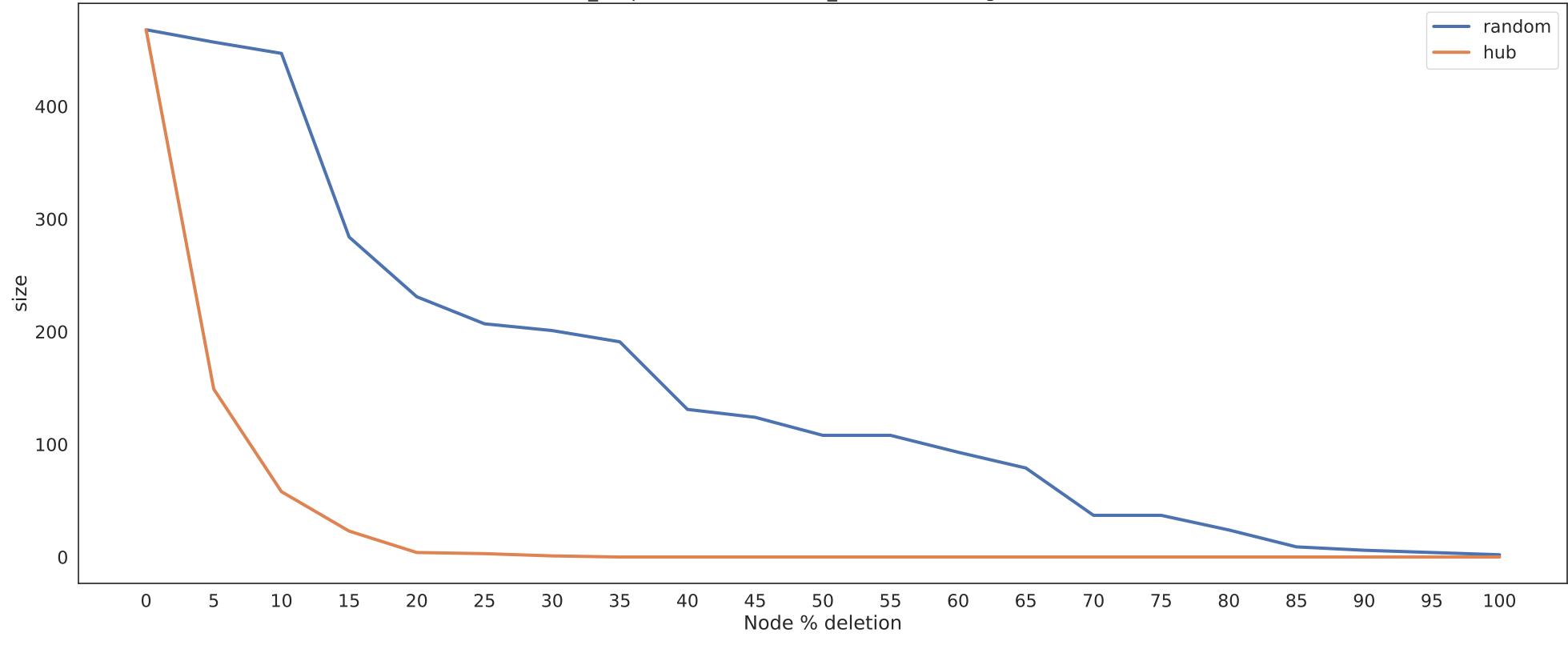


2021-05-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub 

size



2021-06-30\_Corp. Bonds and similar\_S- Node deleting distribution - size



2021-07-31\_Corp. Bonds and similar\_S- Node deleting distribution - avg\_path\_length — random 1.75 — hub 1.50 1.25 avg\_path\_length 0.0 22.0 0.50 0.25 0.00 Node % deletion

2021-07-31\_Corp. Bonds and similar\_S- Node deleting distribution - size — random — hub . S N 150 Node % deletion