

Graphics Eger Paper

Leon Hammerla

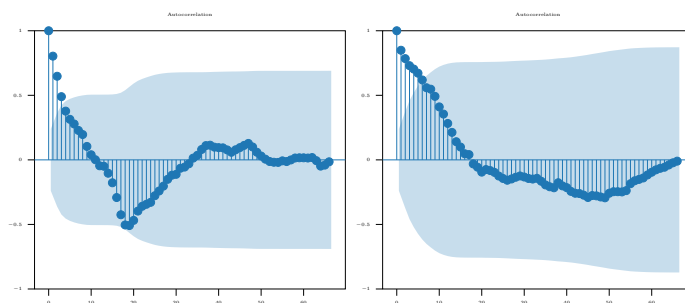
February 7, 2022

Contents

1 sent-Based:

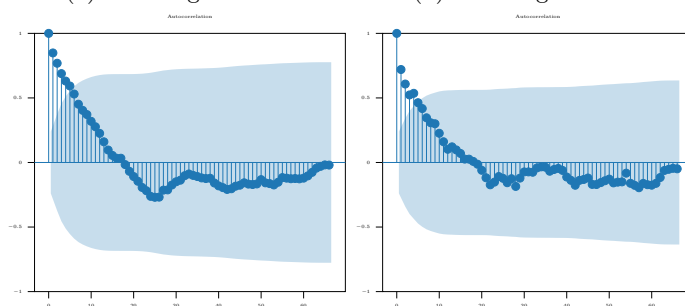
1.1 n verbs0

1.1.1 Statistics-acf



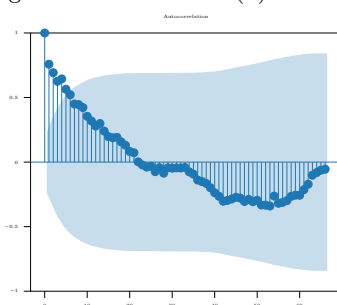
(a) sent length 02-09

(b) sent length 10-19



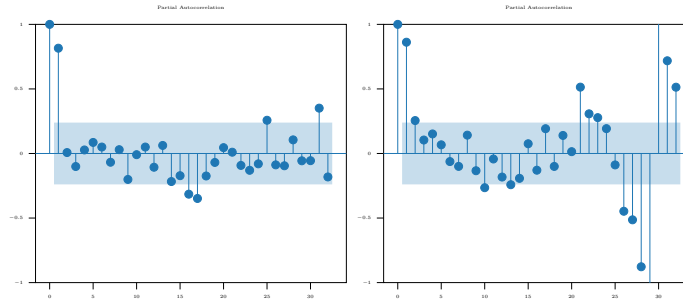
(c) sent length 20-29

(d) sent length 30-39



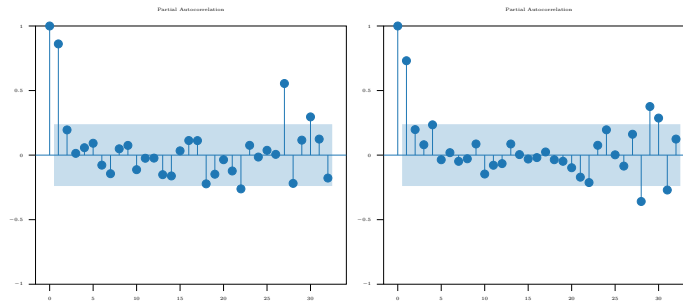
(e) sent length 40+

1.1.2 Statistics-pacf



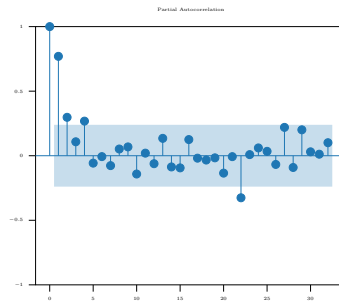
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



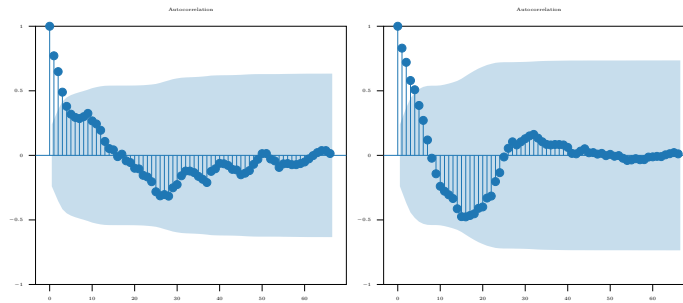
(e) sent length 40+

1.1.3 Statistics-cor

sent length 02-09 - Correlation: 0.10853874440668859
sent length 10-19 - Correlation: -0.7757358053963941
sent length 20-29 - Correlation: -0.6844673868689867
sent length 30-39 - Correlation: -0.6730646392526588
sent length 40+ - Correlation: -0.8731523986644987

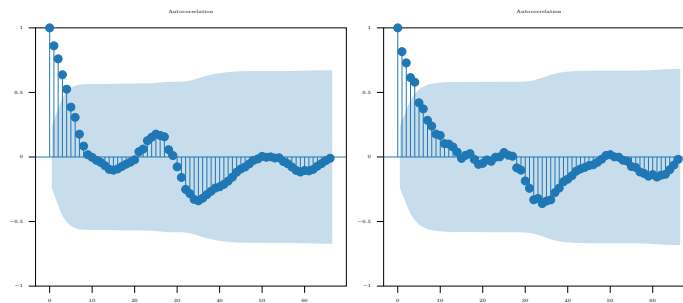
1.2 complexity ratio1

1.2.1 Statistics-acf



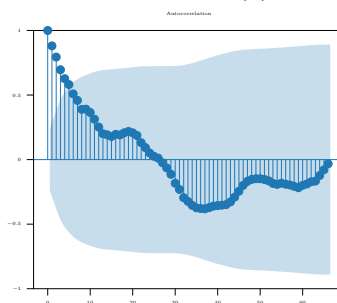
(a) sent length 02-09

(b) sent length 10-19



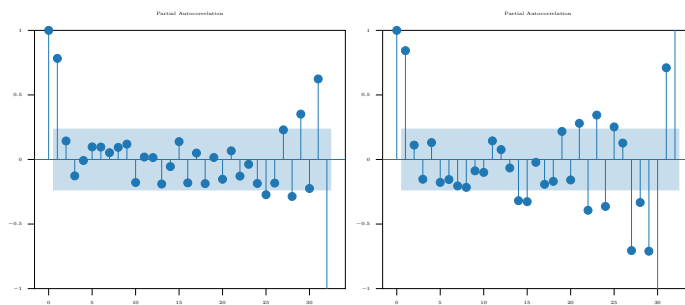
(c) sent length 20-29

(d) sent length 30-39



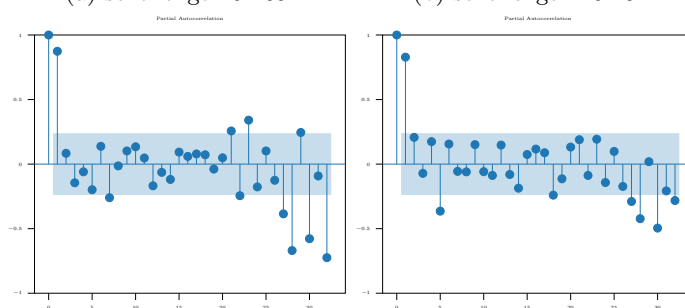
(e) sent length 40+

1.2.2 Statistics-pacf



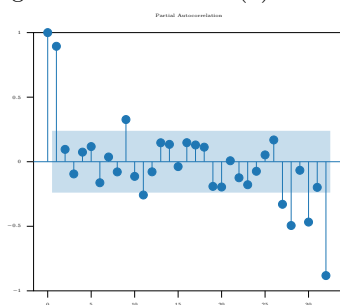
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



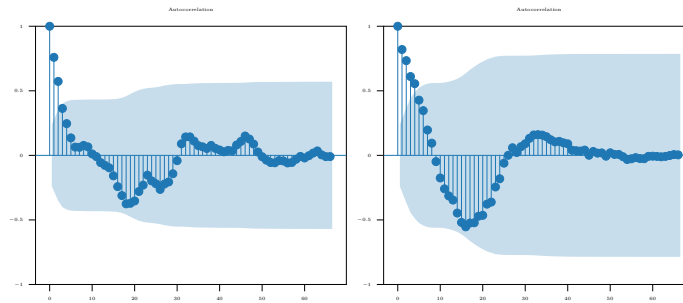
(e) sent length 40+

1.2.3 Statistics-cor

sent length 02-09 - Correlation: -0.5004707647693744
sent length 10-19 - Correlation: 0.058554675817618466
sent length 20-29 - Correlation: 0.5609664303668972
sent length 30-39 - Correlation: 0.619703451800875
sent length 40+ - Correlation: 0.8342533539632371

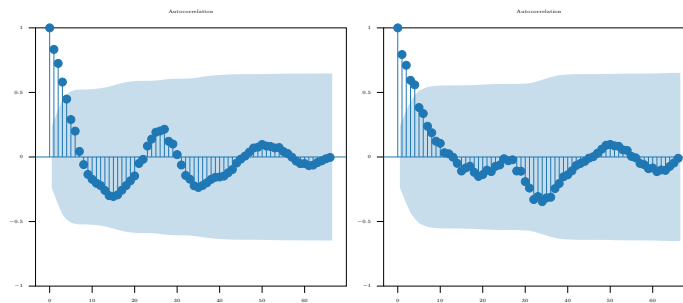
1.3 absolute complexity2

1.3.1 Statistics-acf



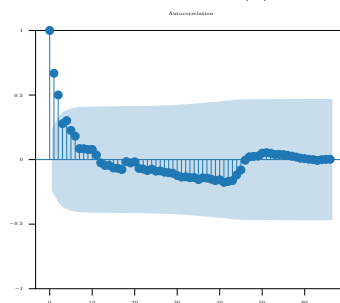
(a) sent length 02-09

(b) sent length 10-19



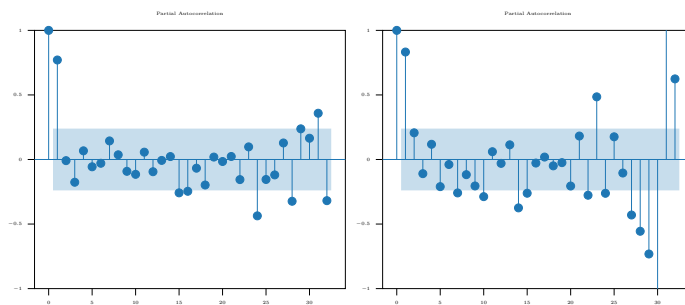
(c) sent length 20-29

(d) sent length 30-39



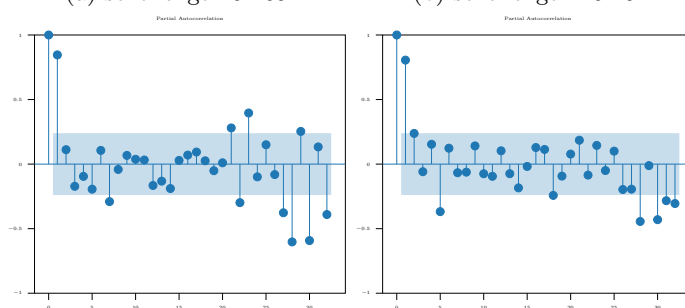
(e) sent length 40+

1.3.2 Statistics-pacf



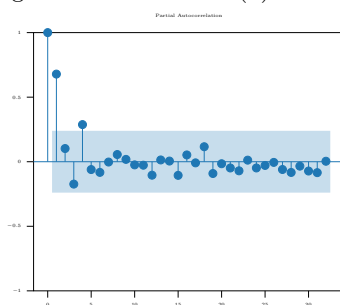
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



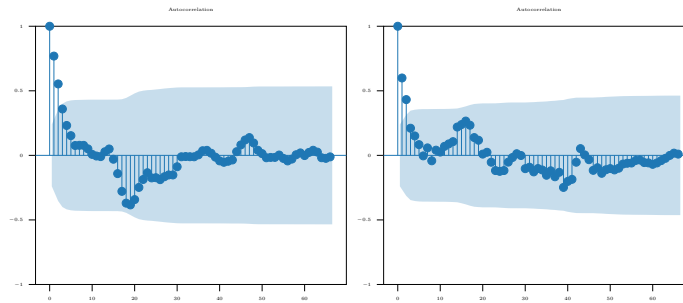
(e) sent length 40+

1.3.3 Statistics-cor

sent length 02-09 - Correlation: -0.1412666490738163
sent length 10-19 - Correlation: -0.026911446374661092
sent length 20-29 - Correlation: 0.31370280933377354
sent length 30-39 - Correlation: 0.476384864814748
sent length 40+ - Correlation: 0.3220301602281374

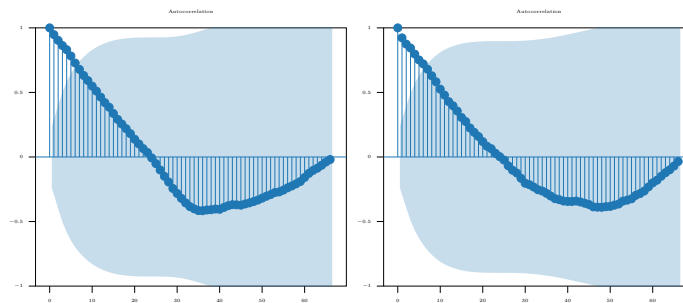
1.4 order of tree3

1.4.1 Statistics-acf



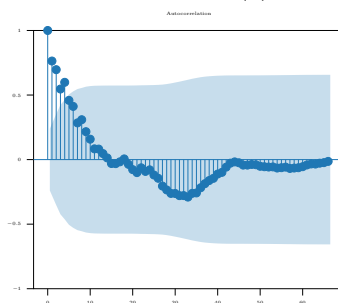
(a) sent length 02-09

(b) sent length 10-19



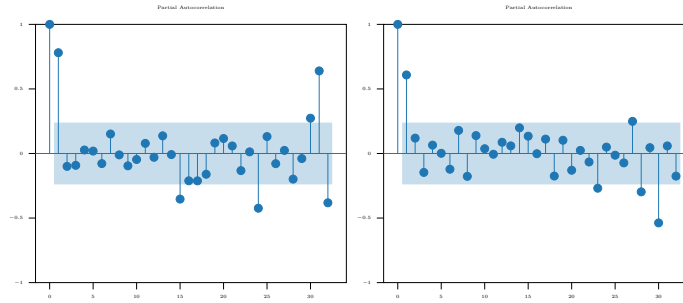
(c) sent length 20-29

(d) sent length 30-39



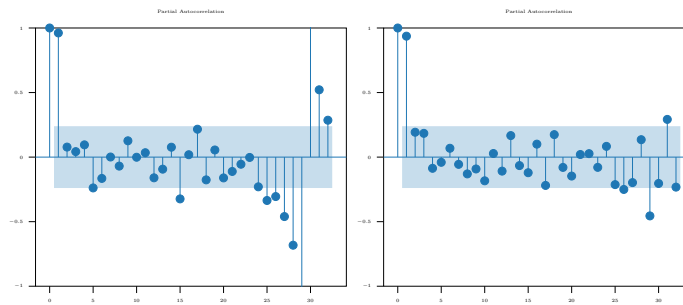
(e) sent length 40+

1.4.2 Statistics-pacf



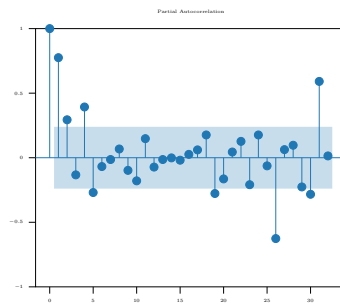
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



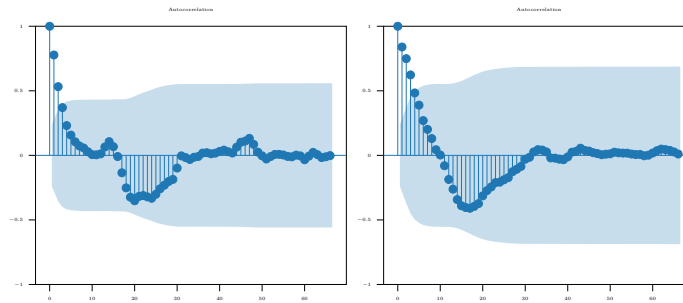
(e) sent length 40+

1.4.3 Statistics-cor

sent length 02-09 - Correlation: 0.18806323821041146
sent length 10-19 - Correlation: -0.485710402764729
sent length 20-29 - Correlation: -0.9218401669796499
sent length 30-39 - Correlation: -0.9537463472427892
sent length 40+ - Correlation: -0.5356141857555266

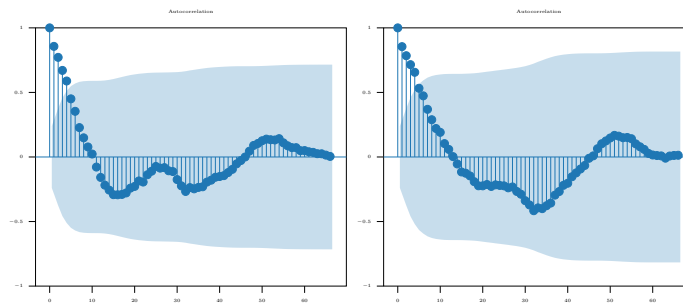
1.5 dependency index4

1.5.1 Statistics-acf



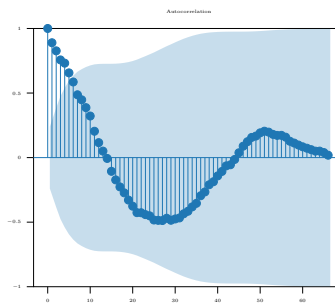
(a) sent length 02-09

(b) sent length 10-19



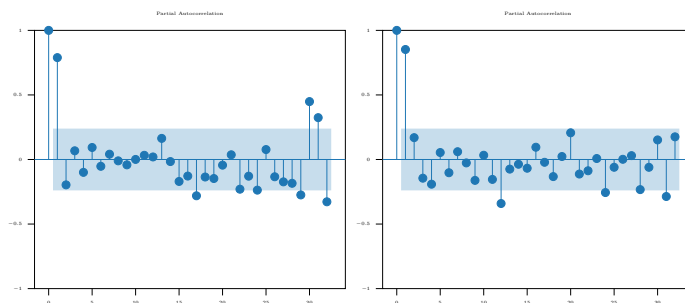
(c) sent length 20-29

(d) sent length 30-39



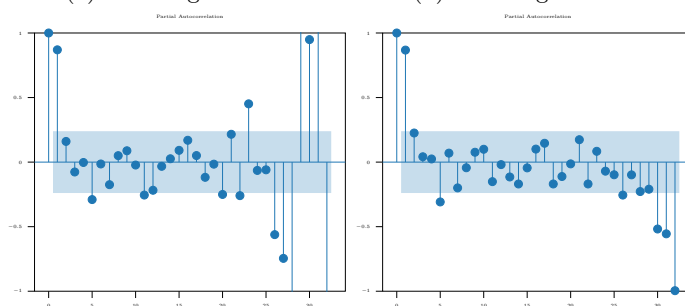
(e) sent length 40+

1.5.2 Statistics-pacf



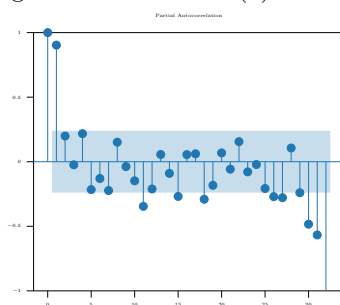
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



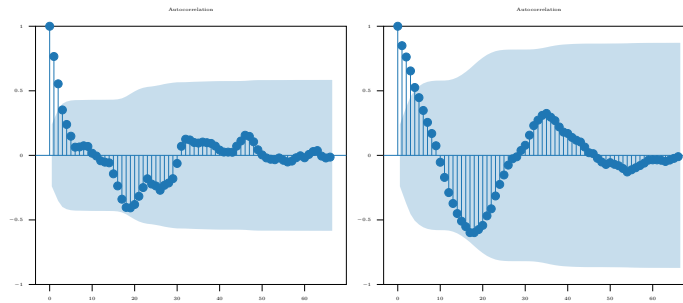
(e) sent length 40+

1.5.3 Statistics-cor

sent length 02-09 - Correlation: 0.18431208348457728
sent length 10-19 - Correlation: 0.0783141677846004
sent length 20-29 - Correlation: -0.12515364906031073
sent length 30-39 - Correlation: -0.3088437976269761
sent length 40+ - Correlation: 0.0640525573096658

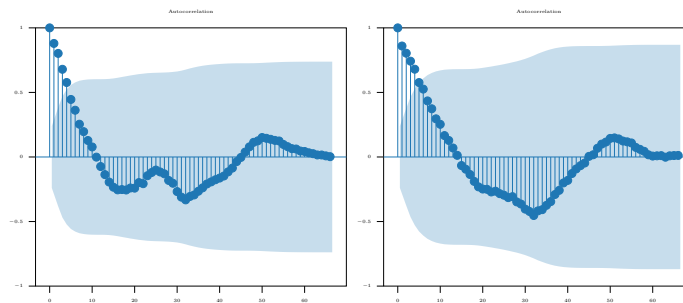
1.6 stratum of tree5

1.6.1 Statistics-acf



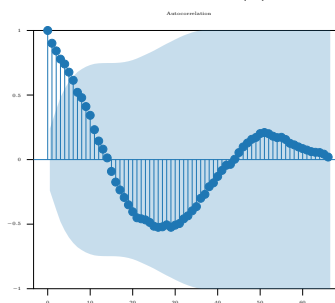
(a) sent length 02-09

(b) sent length 10-19



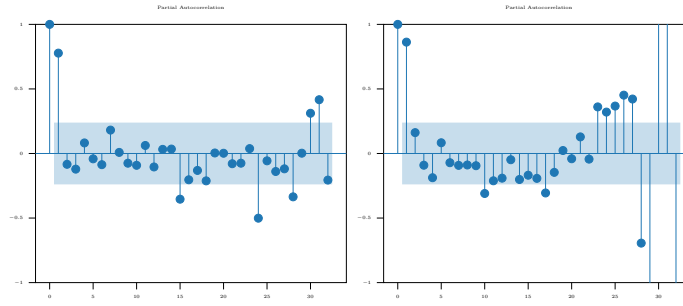
(c) sent length 20-29

(d) sent length 30-39



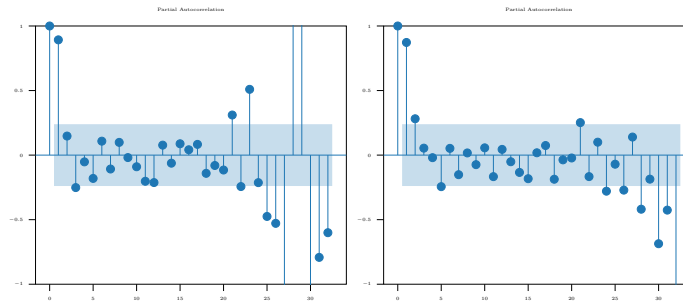
(e) sent length 40+

1.6.2 Statistics-pacf



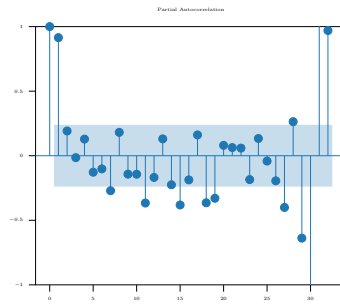
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



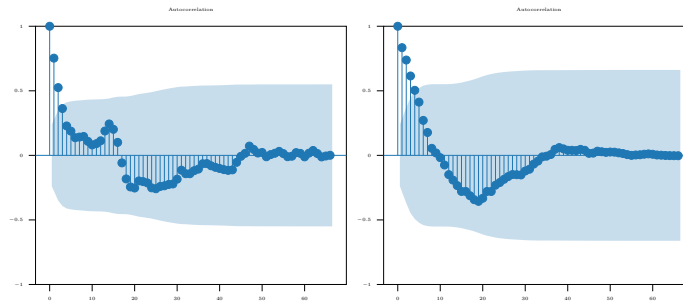
(e) sent length 40+

1.6.3 Statistics-cor

sent length 02-09 - Correlation: 0.0512501873378209
sent length 10-19 - Correlation: 0.26320886735562515
sent length 20-29 - Correlation: -0.19649646089868833
sent length 30-39 - Correlation: -0.35682063437803363
sent length 40+ - Correlation: 0.05063215403613807

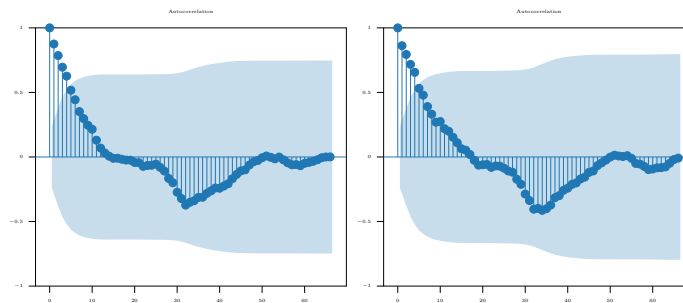
1.7 depth of tree6

1.7.1 Statistics-acf



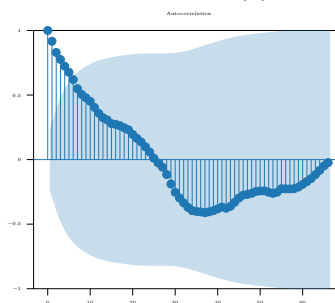
(a) sent length 02-09

(b) sent length 10-19



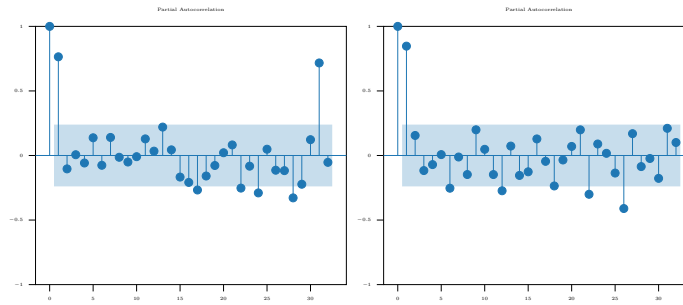
(c) sent length 20-29

(d) sent length 30-39



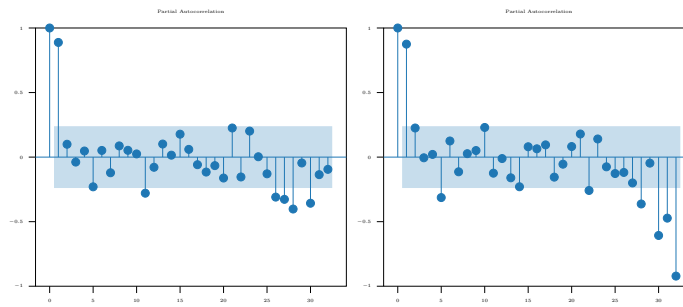
(e) sent length 40+

1.7.2 Statistics-pacf



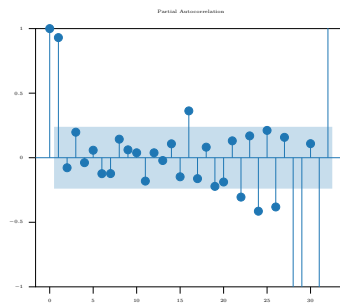
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



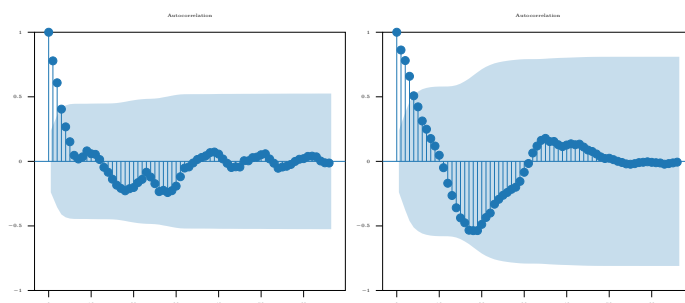
(e) sent length 40+

1.7.3 Statistics-cor

sent length 02-09 - Correlation: 0.32837355605091123
sent length 10-19 - Correlation: -0.18887950284109614
sent length 20-29 - Correlation: -0.5643287404804536
sent length 30-39 - Correlation: -0.6167102897640028
sent length 40+ - Correlation: -0.8907640294311877

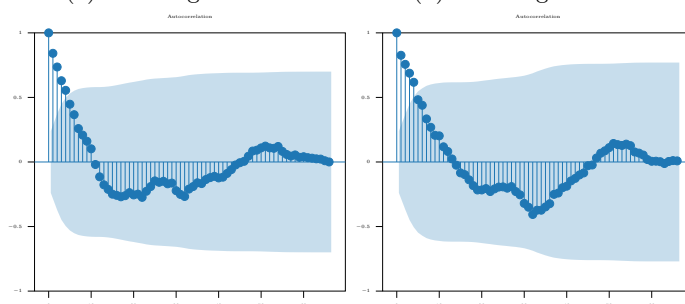
1.8 ratio vertices on lp from rt7

1.8.1 Statistics-acf



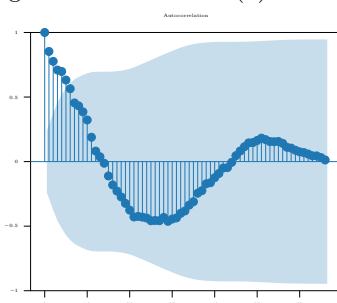
(a) sent length 02-09

(b) sent length 10-19



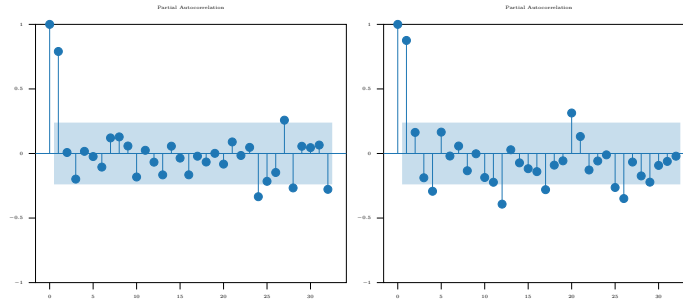
(c) sent length 20-29

(d) sent length 30-39



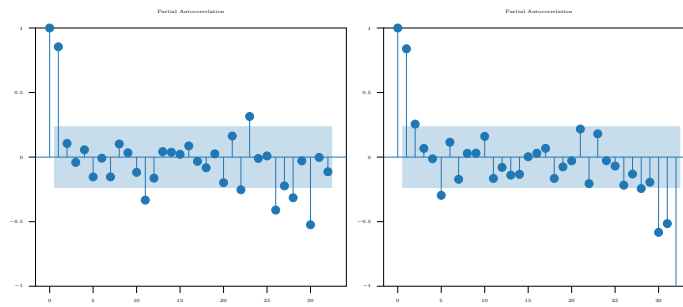
(e) sent length 40+

1.8.2 Statistics-pacf



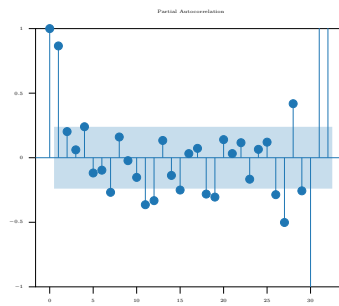
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



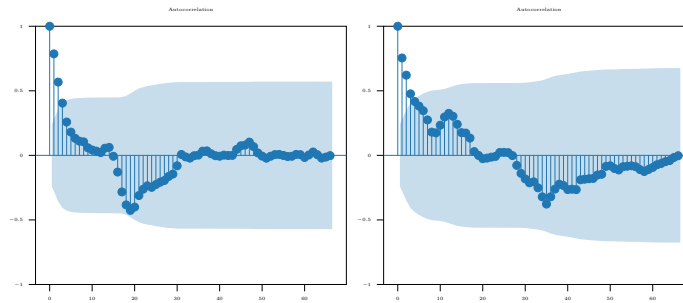
(e) sent length 40+

1.8.3 Statistics-cor

sent length 02-09 - Correlation: 0.21931280422199528
sent length 10-19 - Correlation: 0.03714220855494465
sent length 20-29 - Correlation: -0.17654670811922862
sent length 30-39 - Correlation: -0.3413379357036219
sent length 40+ - Correlation: 0.09449269585684142

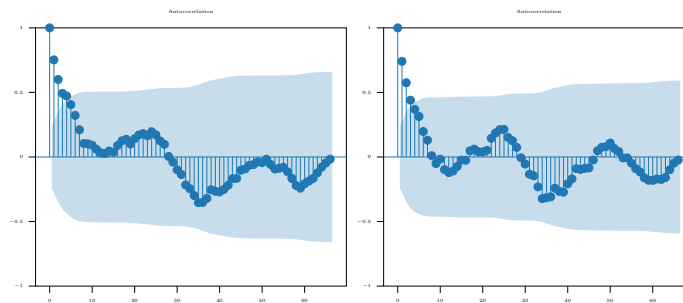
1.9 leaf distance entropy8

1.9.1 Statistics-acf



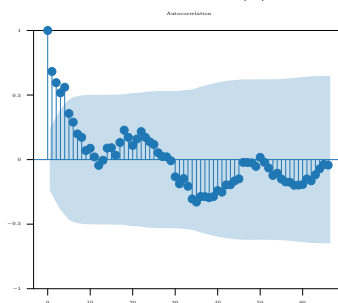
(a) sent length 02-09

(b) sent length 10-19



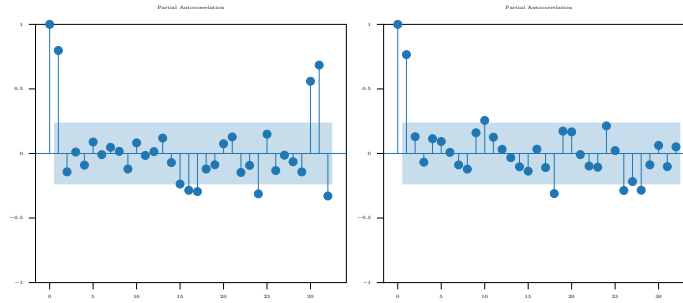
(c) sent length 20-29

(d) sent length 30-39

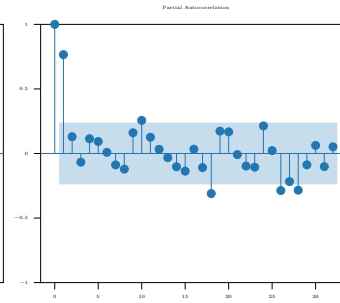


(e) sent length 40+

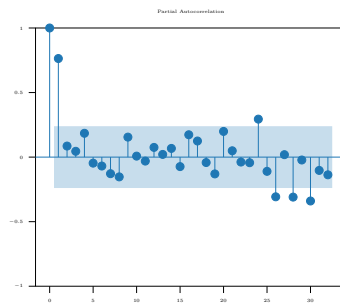
1.9.2 Statistics-pacf



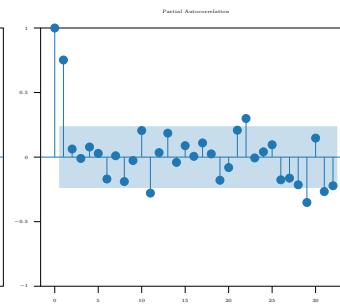
(a) sent length 02-09



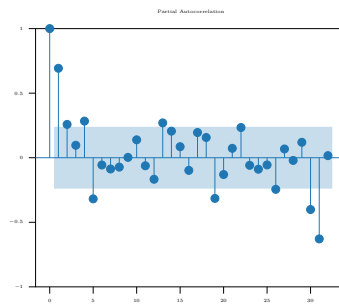
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



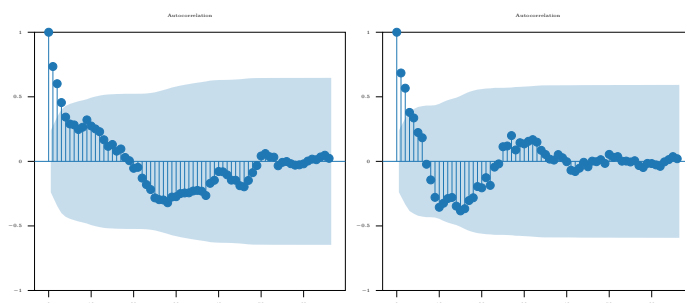
(e) sent length 40+

1.9.3 Statistics-cor

sent length 02-09 - Correlation: 0.20034910215762858
sent length 10-19 - Correlation: -0.656076467133719
sent length 20-29 - Correlation: -0.6808578870825183
sent length 30-39 - Correlation: -0.5571701854236357
sent length 40+ - Correlation: -0.6747773824482525

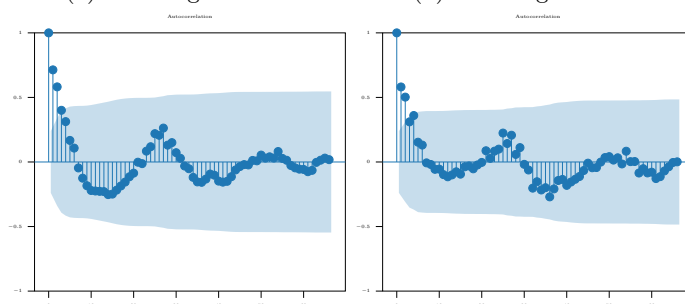
1.10 ratio of leafs at d1 to rt9

1.10.1 Statistics-acf



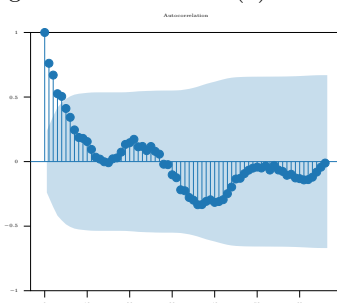
(a) sent length 02-09

(b) sent length 10-19



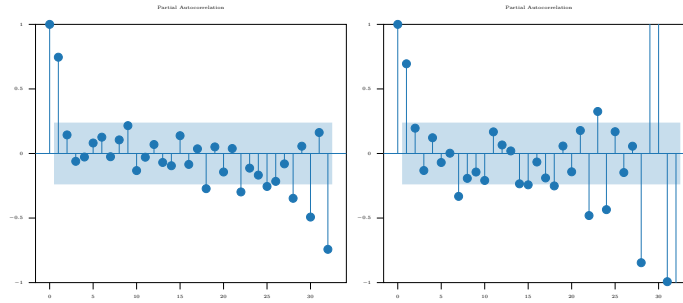
(c) sent length 20-29

(d) sent length 30-39



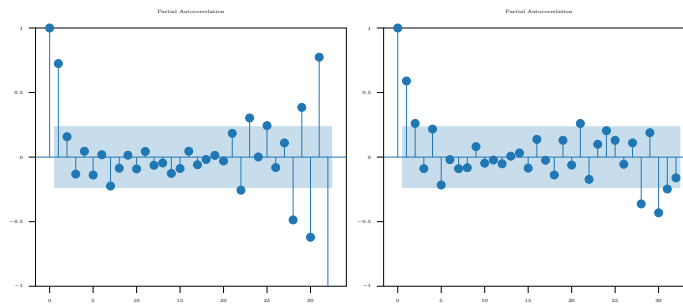
(e) sent length 40+

1.10.2 Statistics-pacf



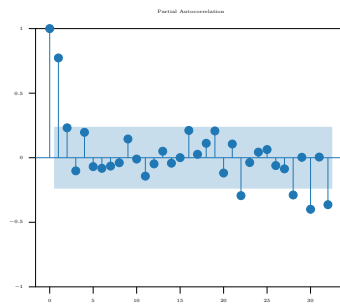
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



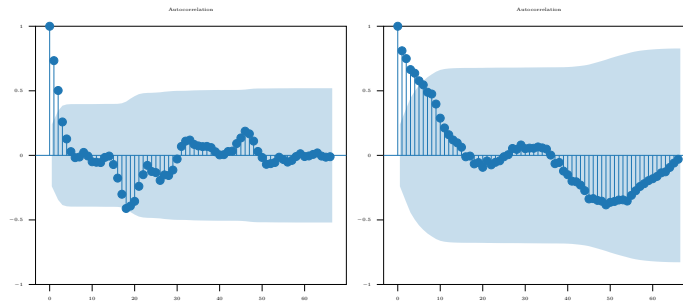
(e) sent length 40+

1.10.3 Statistics-cor

sent length 02-09 - Correlation: -0.47243593637193615
sent length 10-19 - Correlation: 0.01294633894478703
sent length 20-29 - Correlation: 0.28452341814344656
sent length 30-39 - Correlation: 0.42936420835857214
sent length 40+ - Correlation: 0.6525393394299448

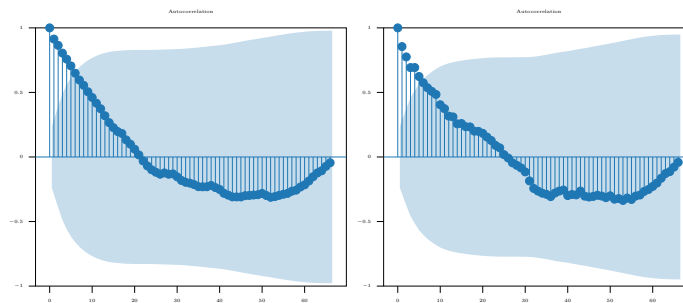
1.11 mean dependency distance10

1.11.1 Statistics-acf



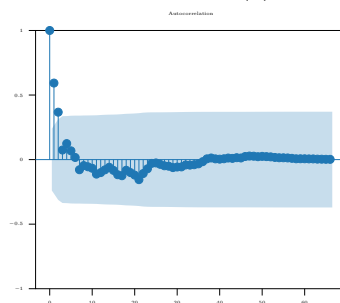
(a) sent length 02-09

(b) sent length 10-19



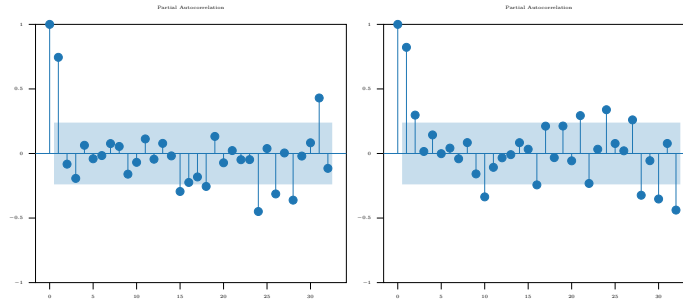
(c) sent length 20-29

(d) sent length 30-39



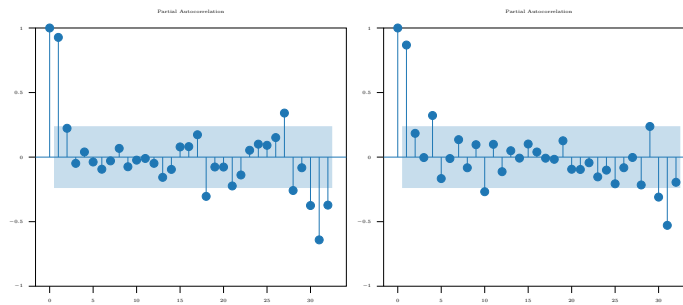
(e) sent length 40+

1.11.2 Statistics-pacf



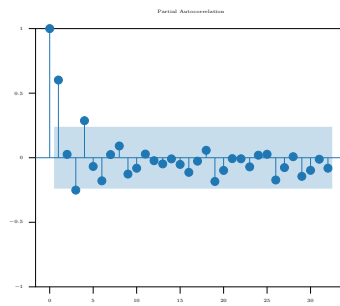
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



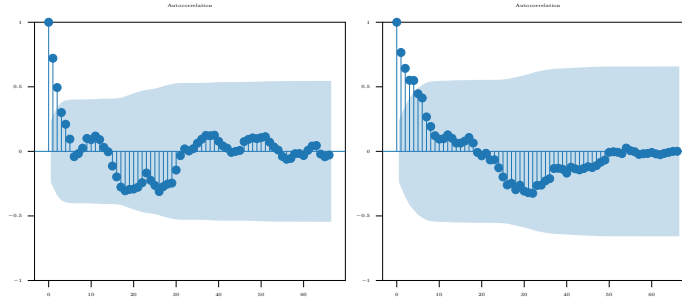
(e) sent length 40+

1.11.3 Statistics-cor

sent length 02-09 - Correlation: -0.004522771883004113
sent length 10-19 - Correlation: -0.8330546801362894
sent length 20-29 - Correlation: -0.8966295646259798
sent length 30-39 - Correlation: -0.9121594850773135
sent length 40+ - Correlation: 0.009022818677835547

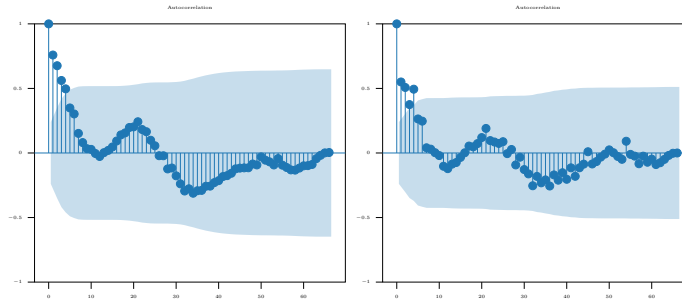
1.12 dependency distance entropy11

1.12.1 Statistics-acf



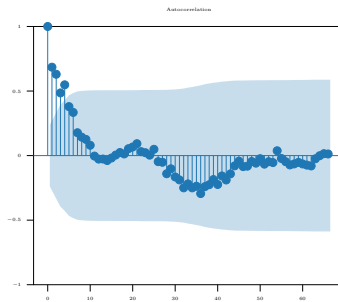
(a) sent length 02-09

(b) sent length 10-19



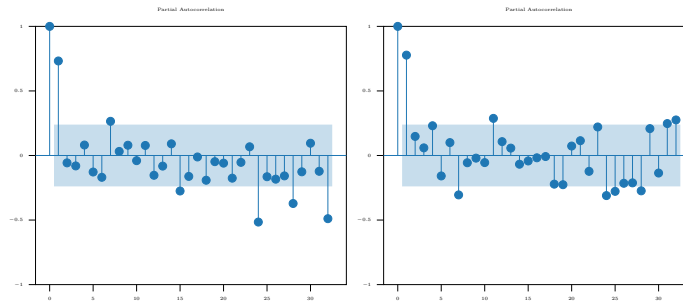
(c) sent length 20-29

(d) sent length 30-39



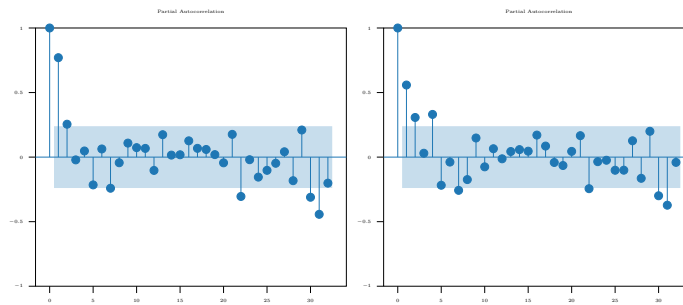
(e) sent length 40+

1.12.2 Statistics-pacf



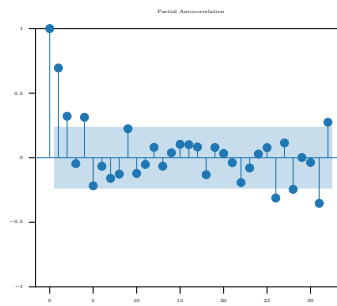
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



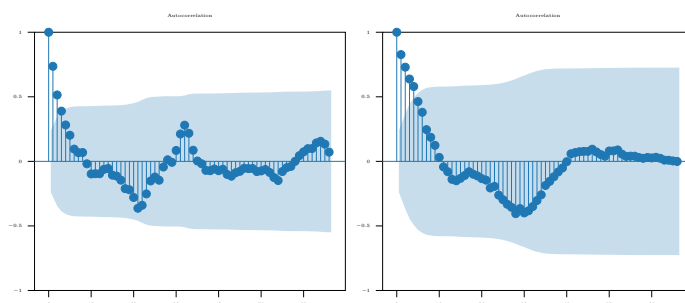
(e) sent length 40+

1.12.3 Statistics-cor

sent length 02-09 - Correlation: -0.028434458009751355
sent length 10-19 - Correlation: 0.5031935243671207
sent length 20-29 - Correlation: 0.6098891823958352
sent length 30-39 - Correlation: 0.4634287735936887
sent length 40+ - Correlation: 0.5244473279843237

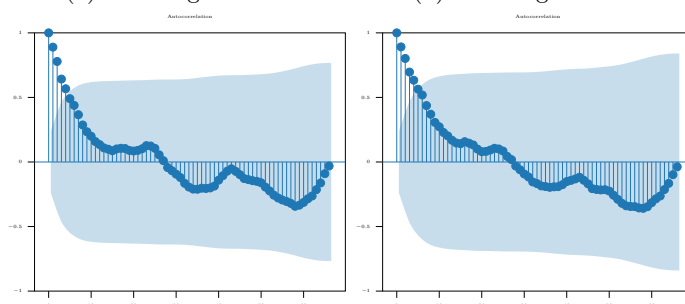
1.13 ratio arcs adjacent tokens¹²

1.13.1 Statistics-acf



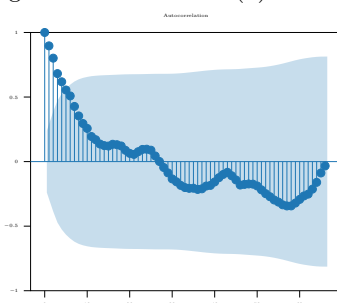
(a) sent length 02-09

(b) sent length 10-19



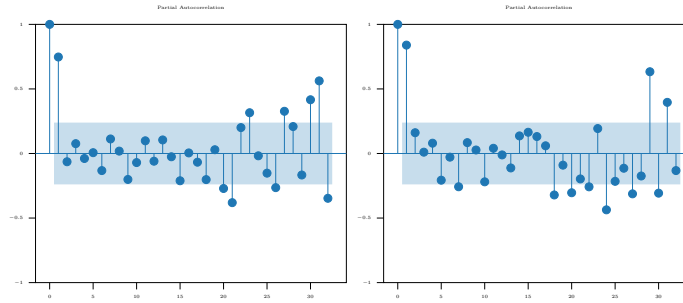
(c) sent length 20-29

(d) sent length 30-39



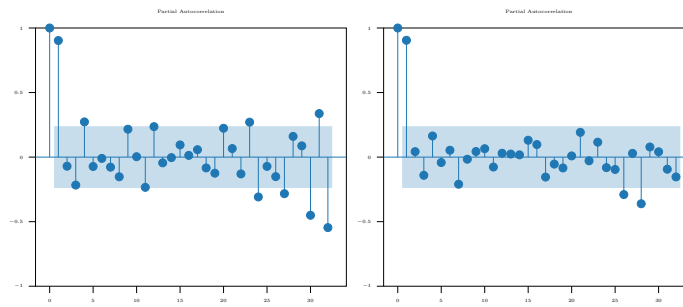
(e) sent length 40+

1.13.2 Statistics-pacf



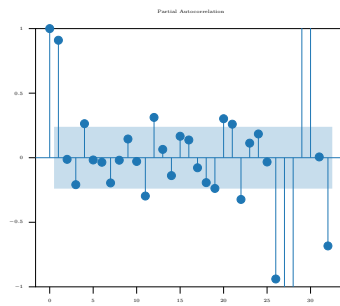
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



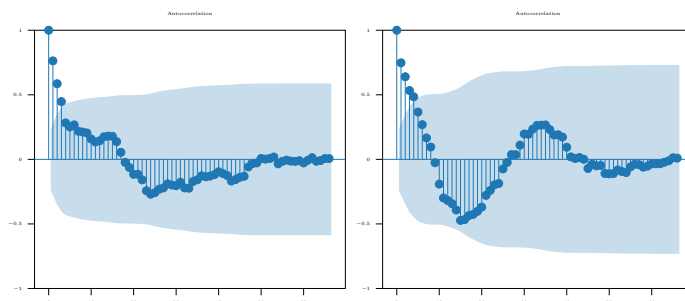
(e) sent length 40+

1.13.3 Statistics-cor

sent length 02-09 - Correlation: 0.16348151456710636
sent length 10-19 - Correlation: 0.23069465526692284
sent length 20-29 - Correlation: -0.8311724324504249
sent length 30-39 - Correlation: -0.8872140699046723
sent length 40+ - Correlation: -0.8559452284552806

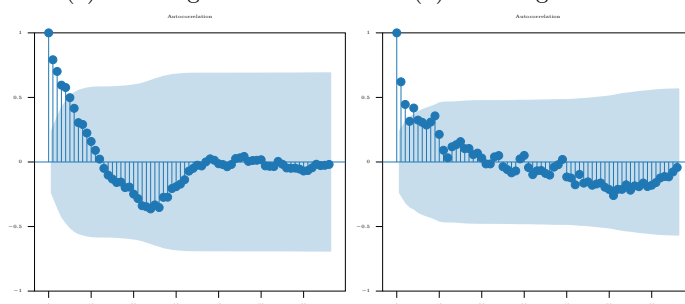
1.14 ratio arcs distances occ once13

1.14.1 Statistics-acf



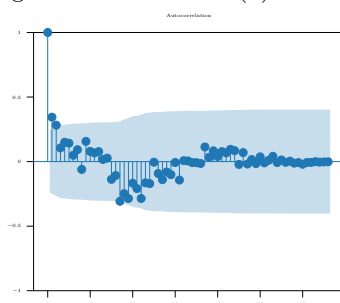
(a) sent length 02-09

(b) sent length 10-19



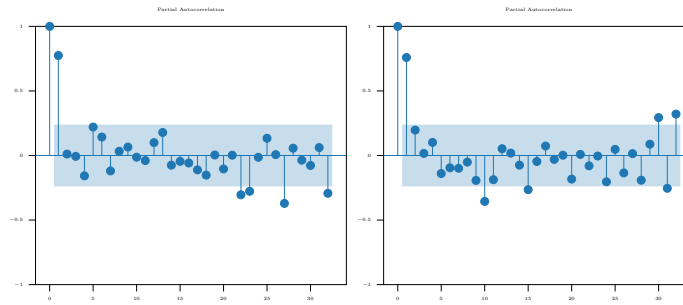
(c) sent length 20-29

(d) sent length 30-39



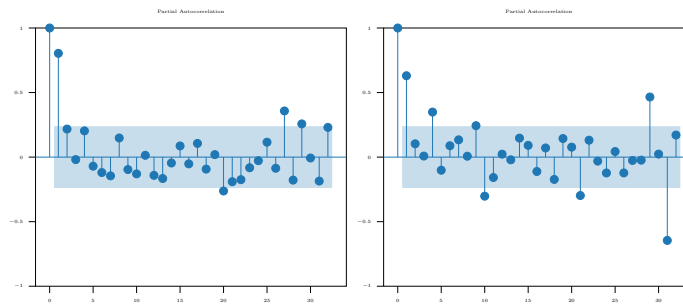
(e) sent length 40+

1.14.2 Statistics-pacf



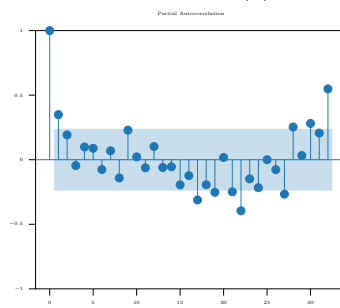
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



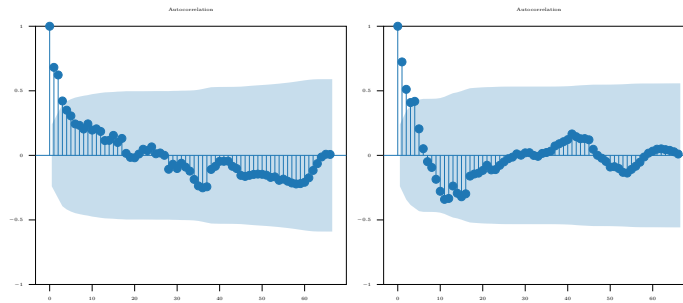
(e) sent length 40+

1.14.3 Statistics-cor

sent length 02-09 - Correlation: -0.4582714896610887
sent length 10-19 - Correlation: -0.26700411340698116
sent length 20-29 - Correlation: -0.4208193255308342
sent length 30-39 - Correlation: -0.7081276603842434
sent length 40+ - Correlation: 0.09059246657420754

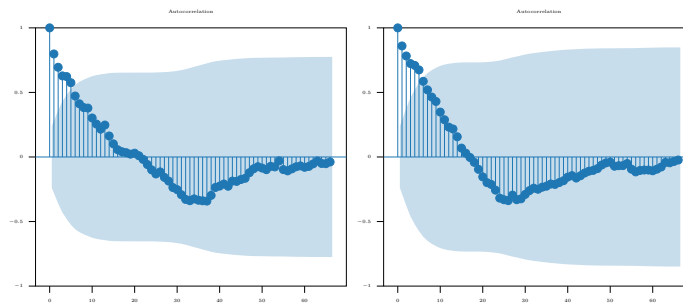
1.15 imbalance index14

1.15.1 Statistics-acf



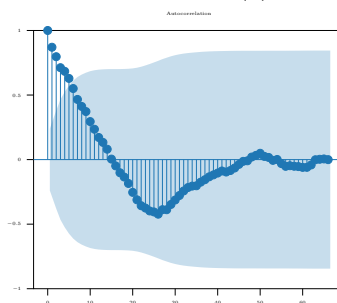
(a) sent length 02-09

(b) sent length 10-19



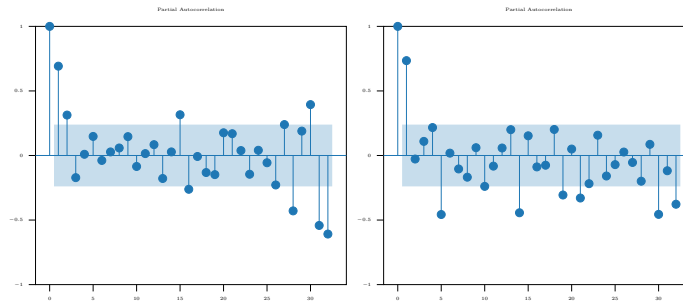
(c) sent length 20-29

(d) sent length 30-39



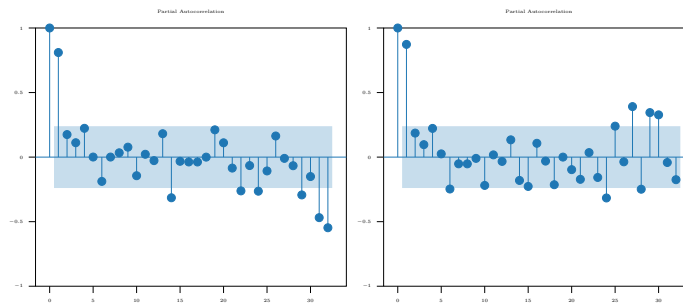
(e) sent length 40+

1.15.2 Statistics-pacf



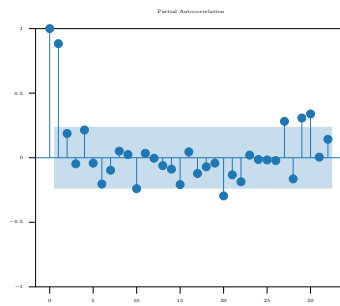
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



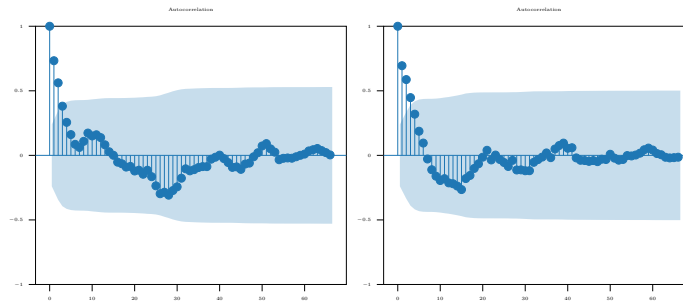
(e) sent length 40+

1.15.3 Statistics-cor

sent length 02-09 - Correlation: 0.6800350710088672
sent length 10-19 - Correlation: -0.07664210300457301
sent length 20-29 - Correlation: -0.6655605927791044
sent length 30-39 - Correlation: -0.6463046127835376
sent length 40+ - Correlation: -0.5045933717327735

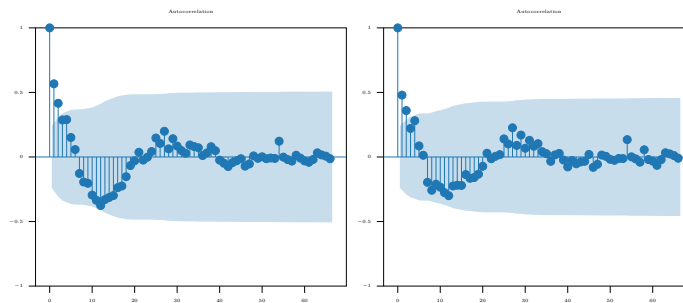
1.16 ratio of leafs15

1.16.1 Statistics-acf



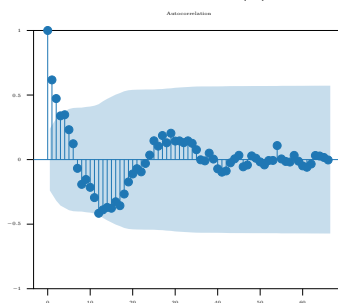
(a) sent length 02-09

(b) sent length 10-19



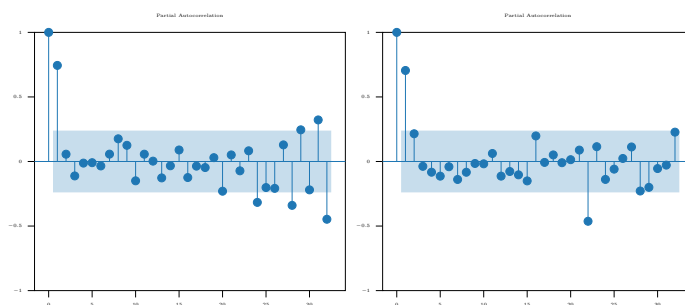
(c) sent length 20-29

(d) sent length 30-39



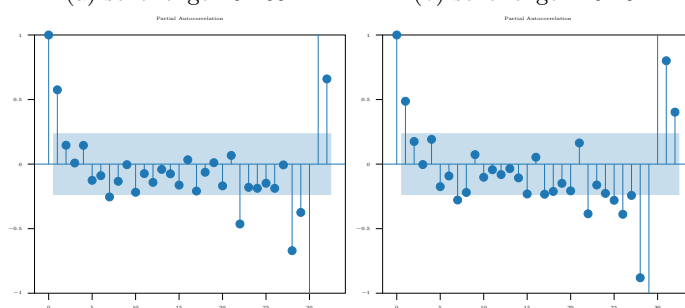
(e) sent length 40+

1.16.2 Statistics-pacf



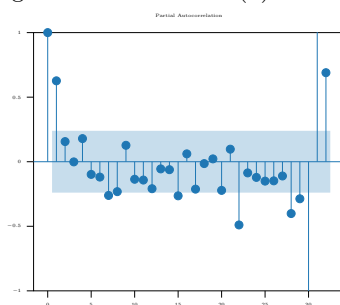
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



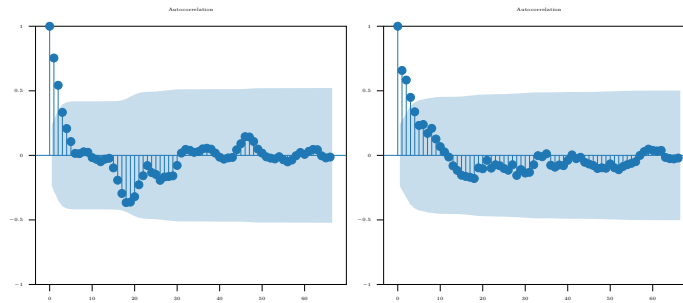
(e) sent length 40+

1.16.3 Statistics-cor

sent length 02-09 - Correlation: -0.307175227250916
sent length 10-19 - Correlation: -0.20144395467478526
sent length 20-29 - Correlation: -0.0645164071907385
sent length 30-39 - Correlation: -0.07172089467118926
sent length 40+ - Correlation: -0.02043609274342577

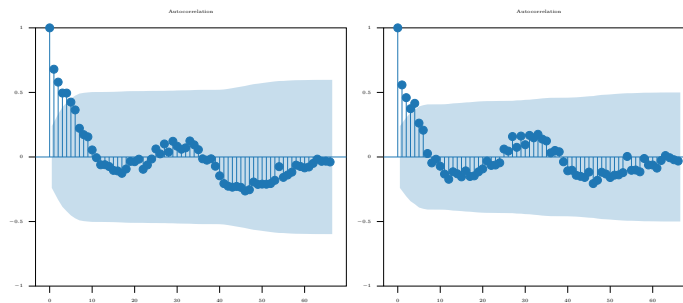
1.17 number of leafs16

1.17.1 Statistics-acf



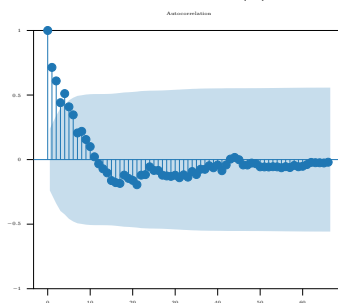
(a) sent length 02-09

(b) sent length 10-19



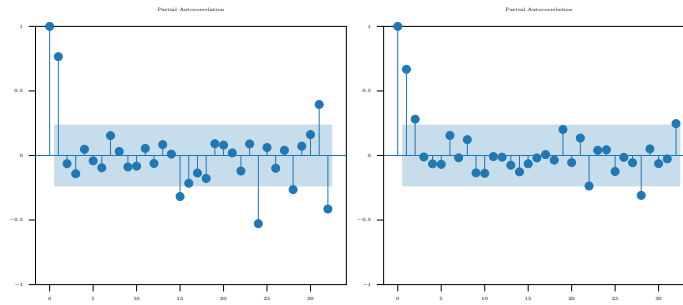
(c) sent length 20-29

(d) sent length 30-39



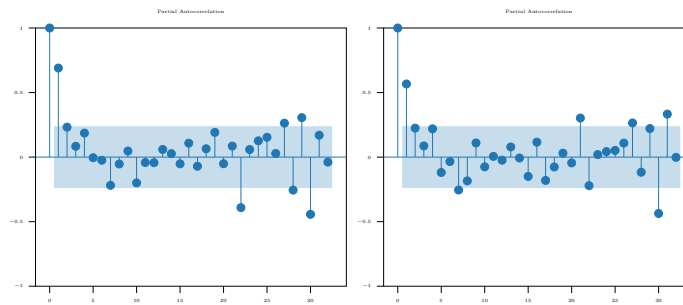
(e) sent length 40+

1.17.2 Statistics-pacf



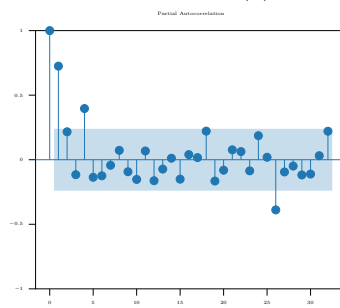
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



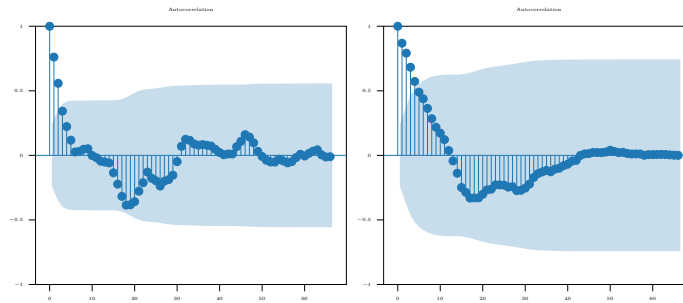
(e) sent length 40+

1.17.3 Statistics-cor

sent length 02-09 - Correlation: 0.06530105213887596
sent length 10-19 - Correlation: -0.398638570232621
sent length 20-29 - Correlation: -0.6129009974743637
sent length 30-39 - Correlation: -0.46560417526829345
sent length 40+ - Correlation: -0.44892879622815623

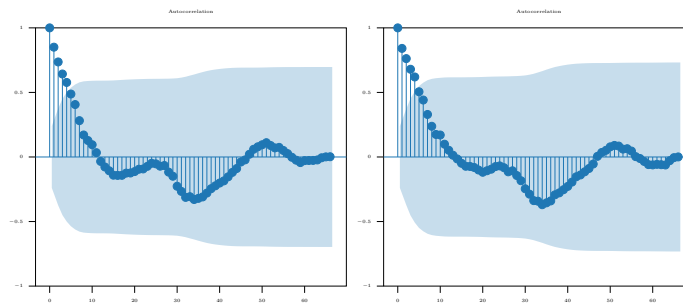
1.18 width of tree19

1.18.1 Statistics-acf



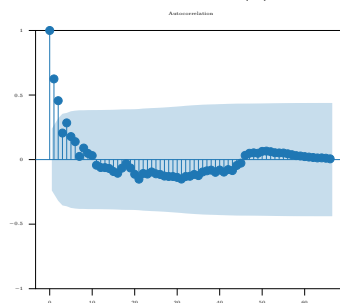
(a) sent length 02-09

(b) sent length 10-19



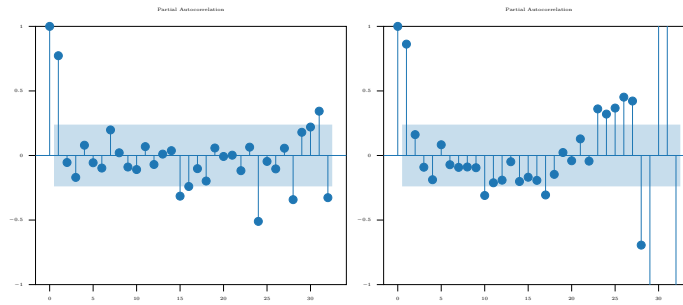
(c) sent length 20-29

(d) sent length 30-39



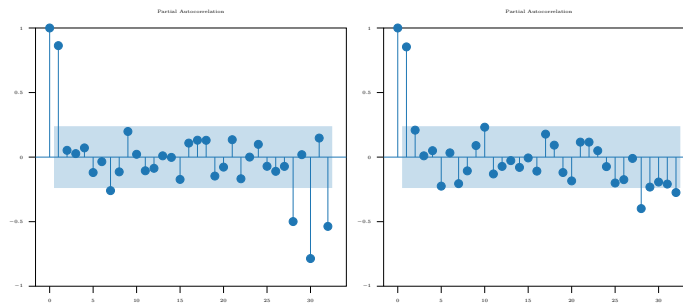
(e) sent length 40+

1.18.2 Statistics-pacf



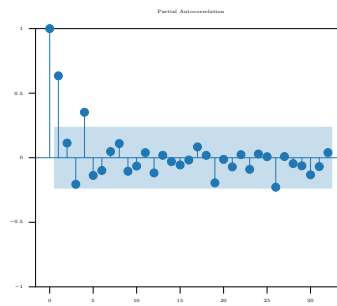
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



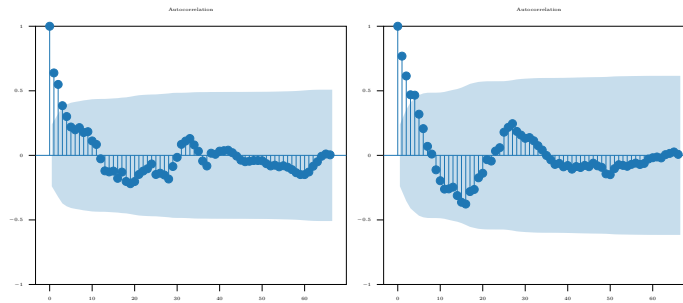
(e) sent length 40+

1.18.3 Statistics-cor

sent length 02-09 - Correlation: -0.08710146244243994
sent length 10-19 - Correlation: 0.3425423025475281
sent length 20-29 - Correlation: 0.41618864002654904
sent length 30-39 - Correlation: 0.49546295816416996
sent length 40+ - Correlation: 0.16481574605458693

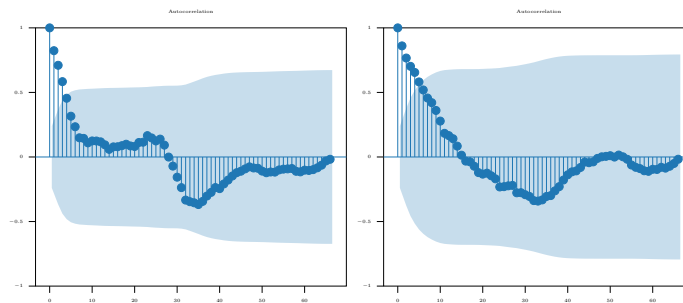
1.19 lowest lv max width20

1.19.1 Statistics-acf



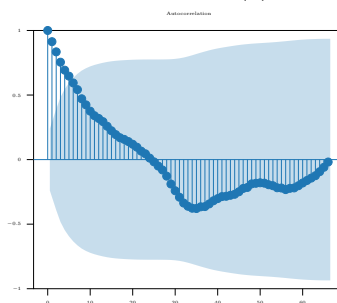
(a) sent length 02-09

(b) sent length 10-19



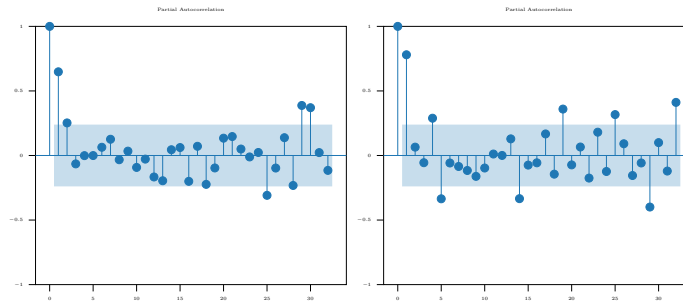
(c) sent length 20-29

(d) sent length 30-39



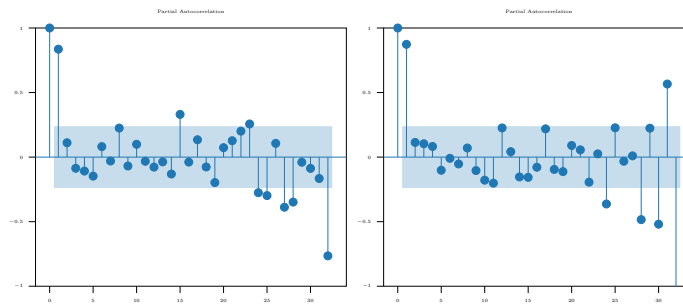
(e) sent length 40+

1.19.2 Statistics-pacf



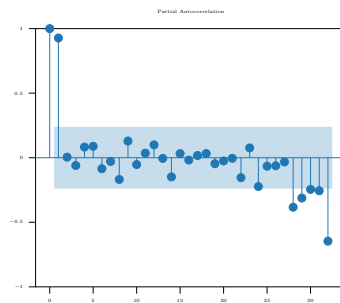
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



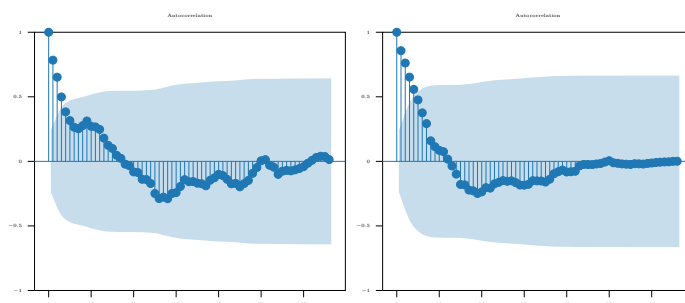
(e) sent length 40+

1.19.3 Statistics-cor

sent length 02-09 - Correlation: 0.45950446942609124
sent length 10-19 - Correlation: 0.3890097446821263
sent length 20-29 - Correlation: -0.6468081376130622
sent length 30-39 - Correlation: -0.5971092262540156
sent length 40+ - Correlation: -0.8411751527021067

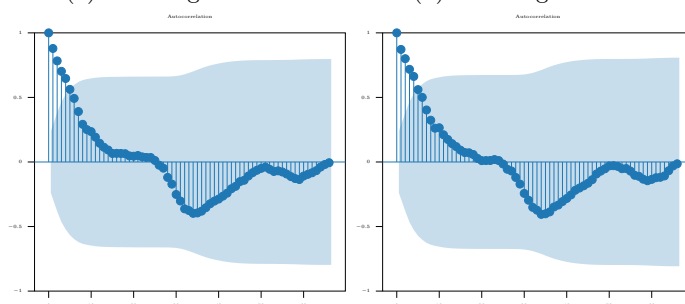
1.20 ratio vertices belonging latter level21

1.20.1 Statistics-acf



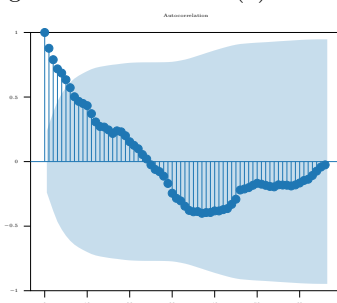
(a) sent length 02-09

(b) sent length 10-19



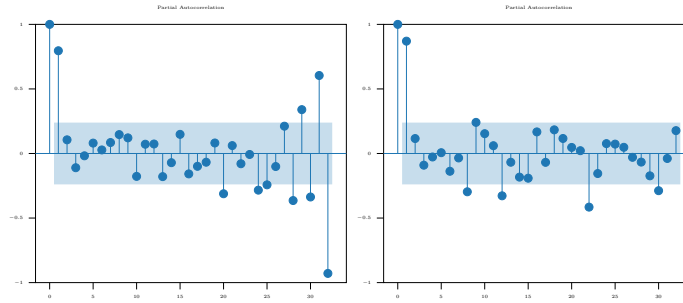
(c) sent length 20-29

(d) sent length 30-39

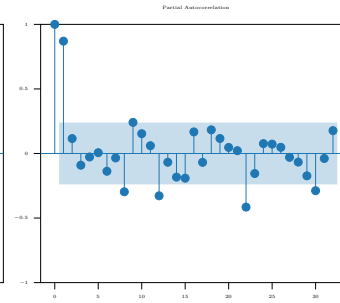


(e) sent length 40+

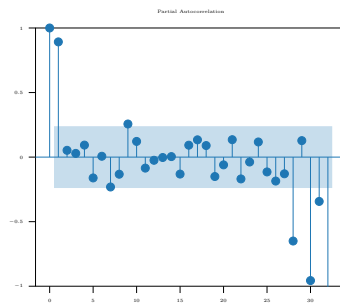
1.20.2 Statistics-pacf



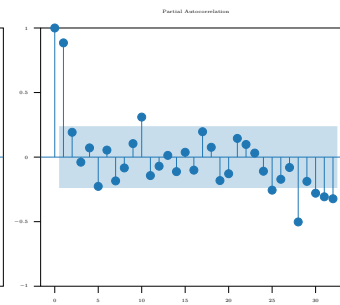
(a) sent length 02-09



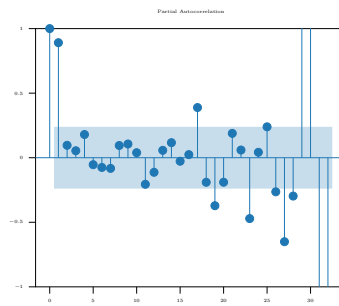
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



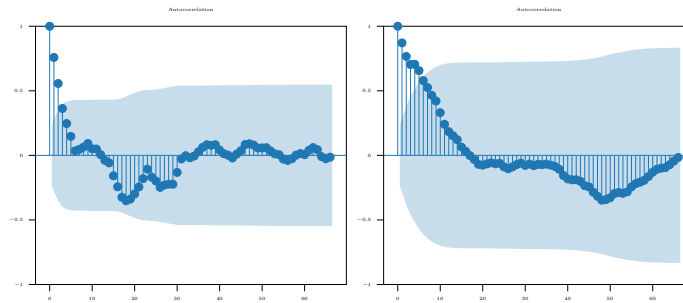
(e) sent length 40+

1.20.3 Statistics-cor

sent length 02-09 - Correlation: -0.5257766357077674
sent length 10-19 - Correlation: 0.4090773700389352
sent length 20-29 - Correlation: 0.676983013155159
sent length 30-39 - Correlation: 0.6901496555730281
sent length 40+ - Correlation: 0.836636684227308

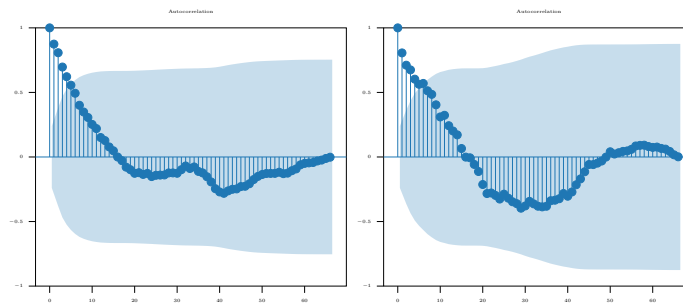
1.21 Hirsch index22

1.21.1 Statistics-acf



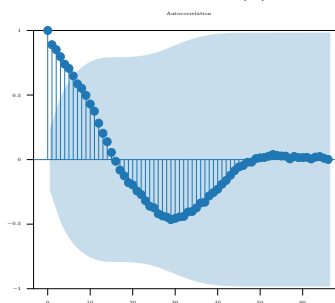
(a) sent length 02-09

(b) sent length 10-19



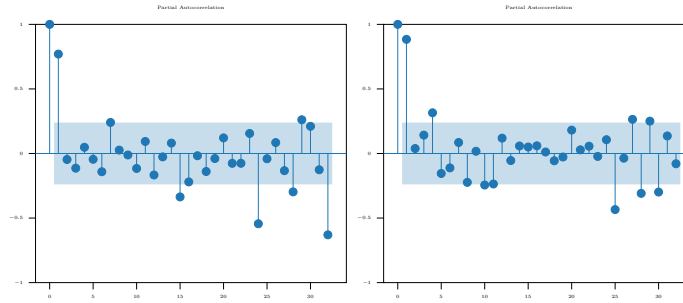
(c) sent length 20-29

(d) sent length 30-39



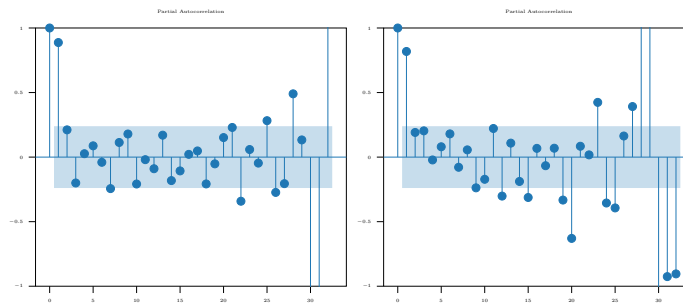
(e) sent length 40+

1.21.2 Statistics-pacf



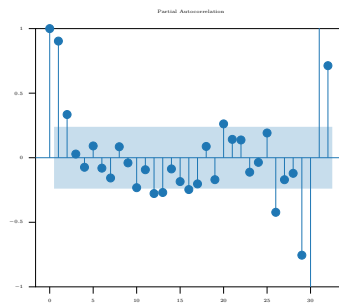
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



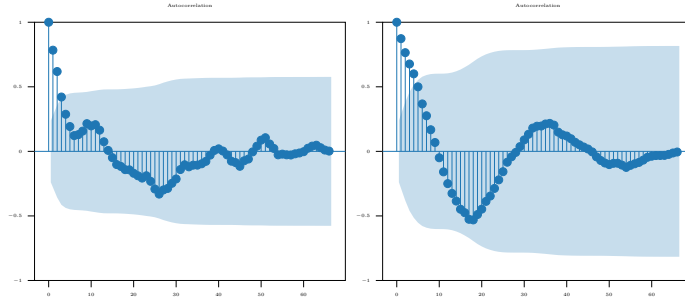
(e) sent length 40+

1.21.3 Statistics-cor

sent length 02-09 - Correlation: 0.026346664737991833
sent length 10-19 - Correlation: -0.7979905216344744
sent length 20-29 - Correlation: -0.6595337806532153
sent length 30-39 - Correlation: -0.44641928153155963
sent length 40+ - Correlation: -0.5275627219133906

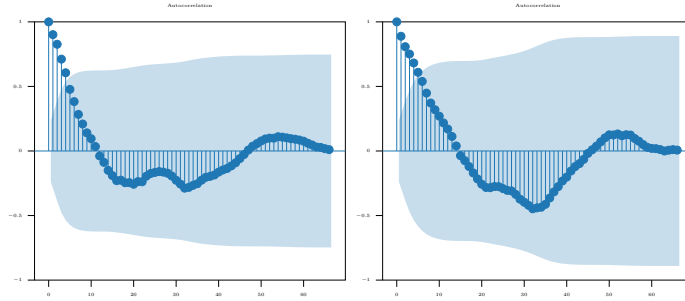
1.22 ratio vertices contributing h index23

1.22.1 Statistics-acf



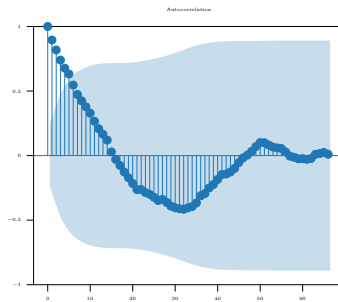
(a) sent length 02-09

(b) sent length 10-19



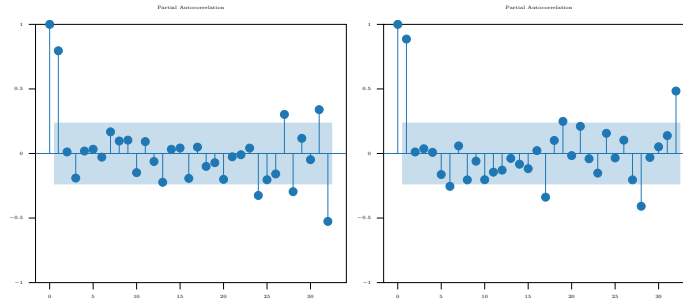
(c) sent length 20-29

(d) sent length 30-39



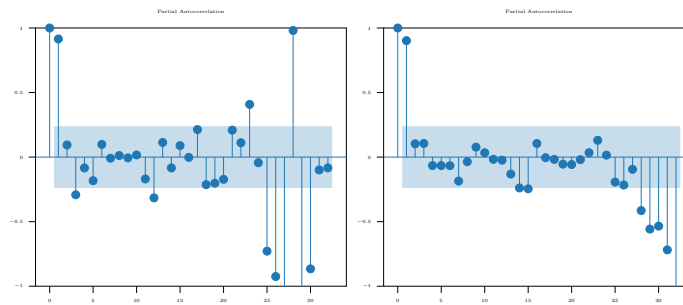
(e) sent length 40+

1.22.2 Statistics-pacf



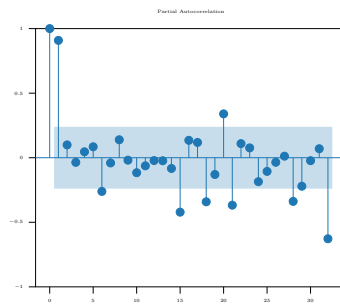
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



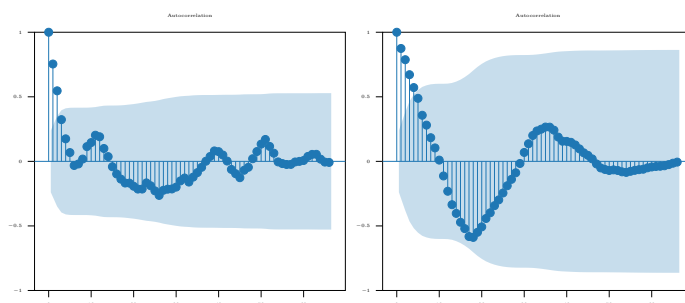
(e) sent length 40+

1.22.3 Statistics-cor

sent length 02-09 - Correlation: -0.31795227205841636
sent length 10-19 - Correlation: -0.34138502653068337
sent length 20-29 - Correlation: 0.23940054536218197
sent length 30-39 - Correlation: 0.38269568254005737
sent length 40+ - Correlation: 0.47965090068744765

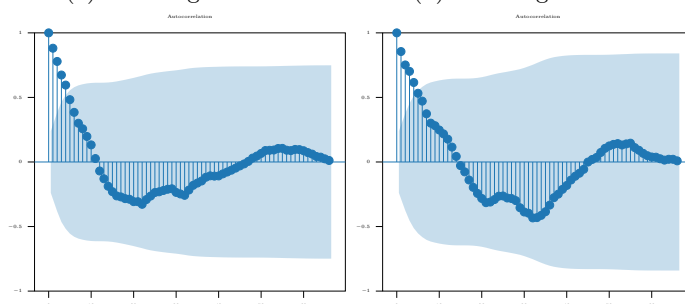
1.23 relative h index24

1.23.1 Statistics-acf



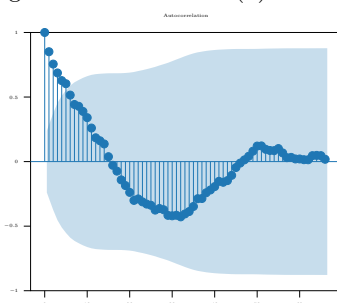
(a) sent length 02-09

(b) sent length 10-19



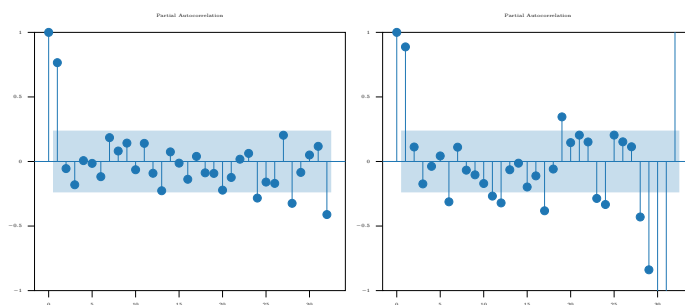
(c) sent length 20-29

(d) sent length 30-39

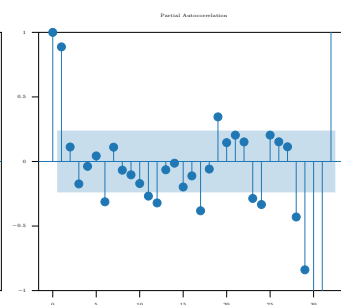


(e) sent length 40+

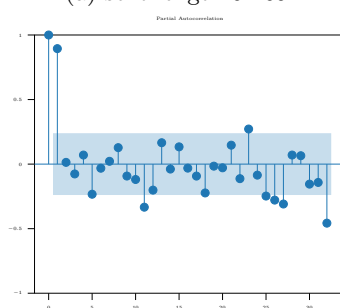
1.23.2 Statistics-pacf



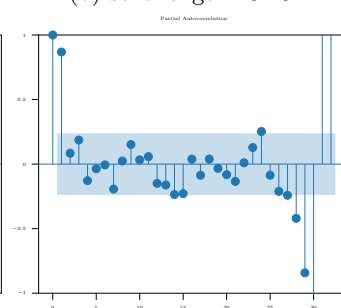
(a) sent length 02-09



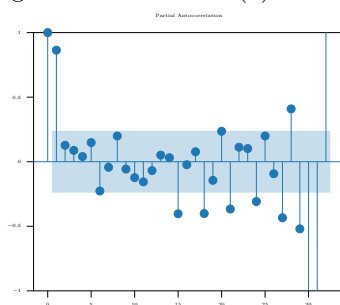
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



(e) sent length 40+

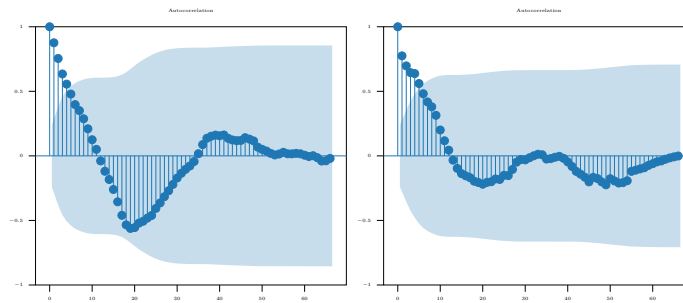
1.23.3 Statistics-cor

sent length 02-09 - Correlation: -0.1871439089234123
sent length 10-19 - Correlation: -0.2708081903747332
sent length 20-29 - Correlation: 0.1327180025715253
sent length 30-39 - Correlation: 0.3089585813036926
sent length 40+ - Correlation: 0.40232906823534226

2 doc-Based:

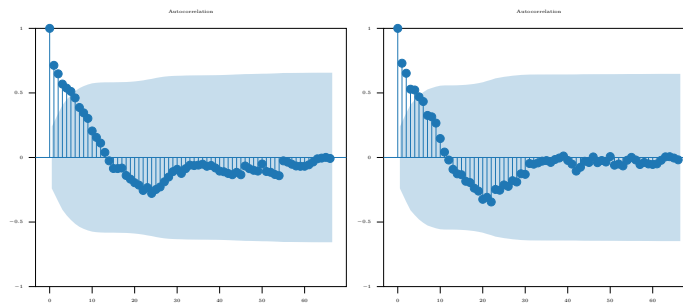
2.1 n verbs0

2.1.1 Statistics-acf



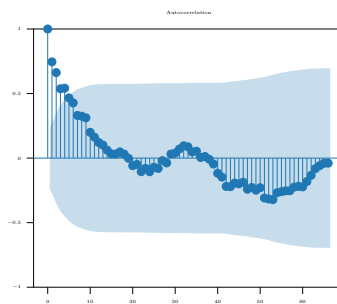
(a) sent length 02-09

(b) sent length 10-19



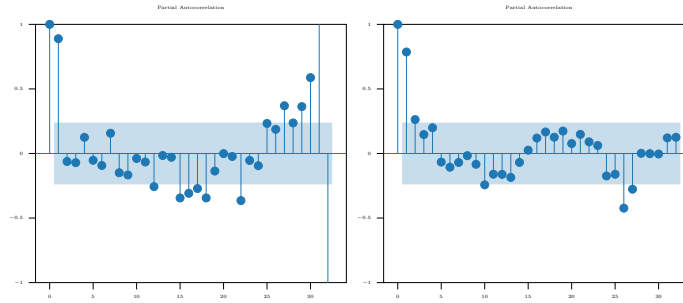
(c) sent length 20-29

(d) sent length 30-39



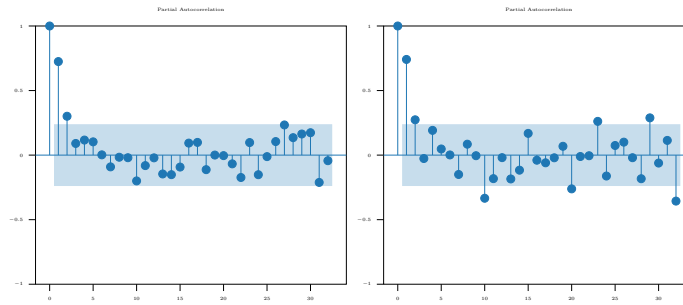
(e) sent length 40+

2.1.2 Statistics-pacf



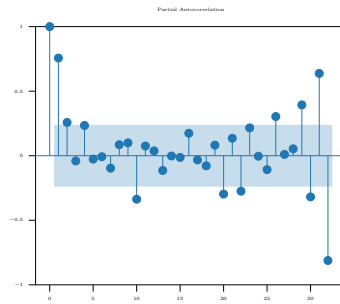
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



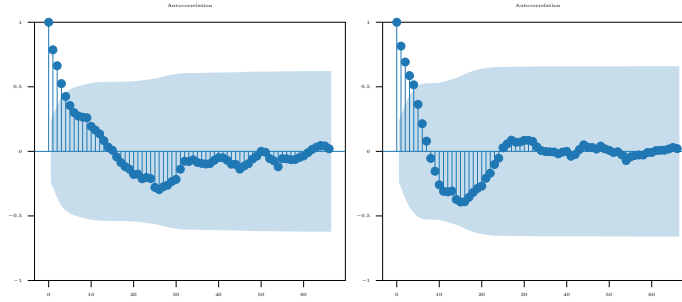
(e) sent length 40+

2.1.3 Statistics-cor

sent length 02-09 - Correlation: 0.041647879920415666
sent length 10-19 - Correlation: -0.6066723699275006
sent length 20-29 - Correlation: -0.5373144231937073
sent length 30-39 - Correlation: -0.417316745032884
sent length 40+ - Correlation: -0.7613054811971197

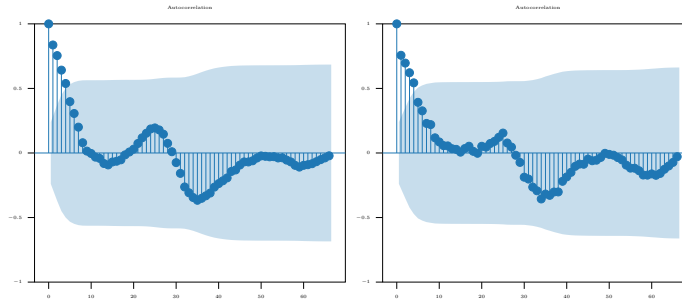
2.2 complexity ratio1

2.2.1 Statistics-acf



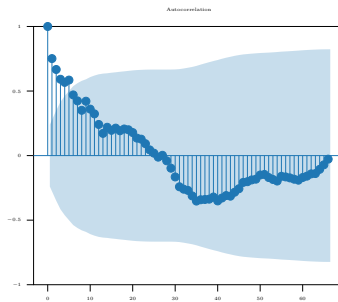
(a) sent length 02-09

(b) sent length 10-19



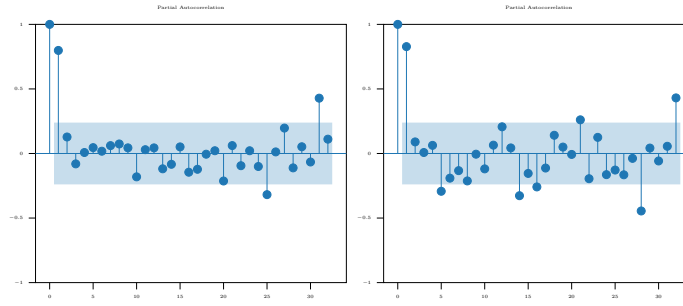
(c) sent length 20-29

(d) sent length 30-39



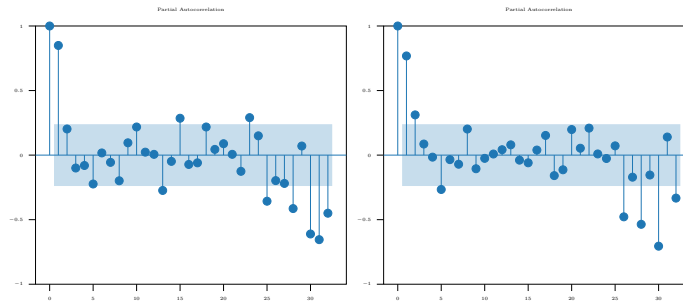
(e) sent length 40+

2.2.2 Statistics-pacf



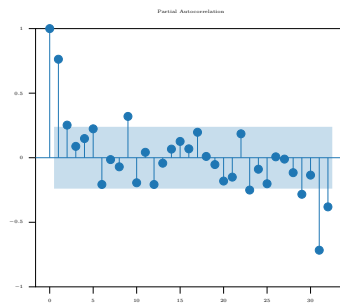
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



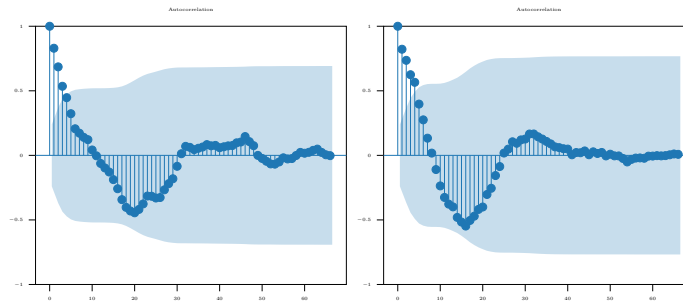
(e) sent length 40+

2.2.3 Statistics-cor

sent length 02-09 - Correlation: -0.46359643862207456
sent length 10-19 - Correlation: 0.16510829890263867
sent length 20-29 - Correlation: 0.5802341206867725
sent length 30-39 - Correlation: 0.648261095616467
sent length 40+ - Correlation: 0.8047988383752278

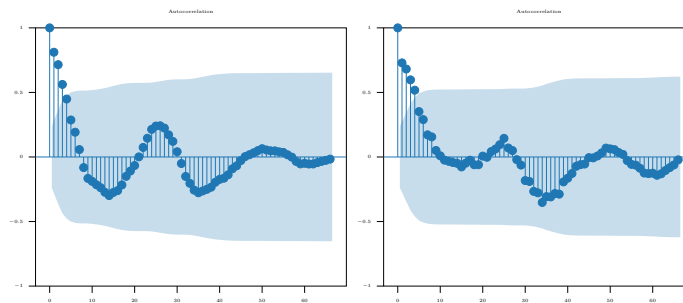
2.3 absolute complexity2

2.3.1 Statistics-acf



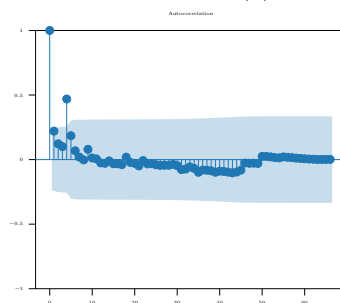
(a) sent length 02-09

(b) sent length 10-19



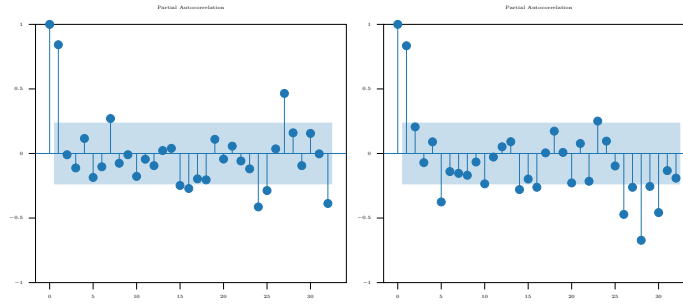
(c) sent length 20-29

(d) sent length 30-39



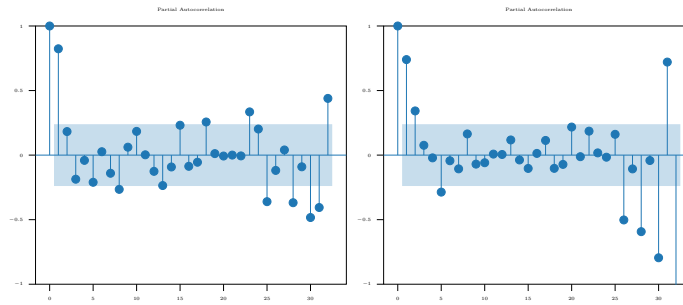
(e) sent length 40+

2.3.2 Statistics-pacf



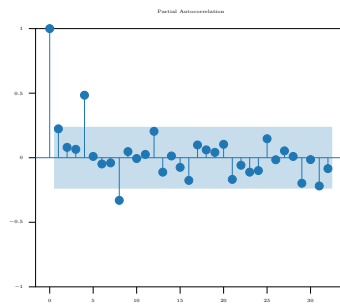
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



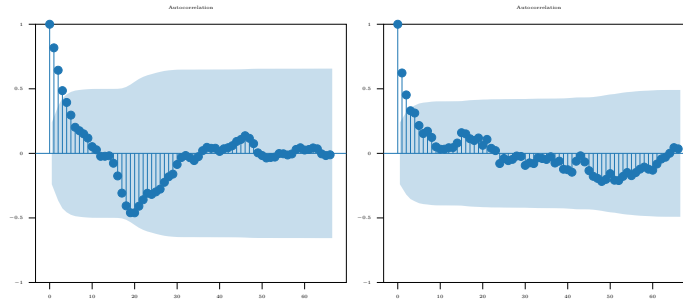
(e) sent length 40+

2.3.3 Statistics-cor

sent length 02-09 - Correlation: -0.12127799409243364
sent length 10-19 - Correlation: 0.05441186529894296
sent length 20-29 - Correlation: 0.36496458043589813
sent length 30-39 - Correlation: 0.5420179935060299
sent length 40+ - Correlation: 0.2738001130329966

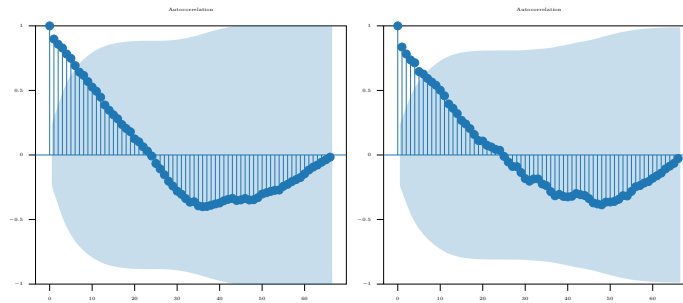
2.4 order of tree3

2.4.1 Statistics-acf



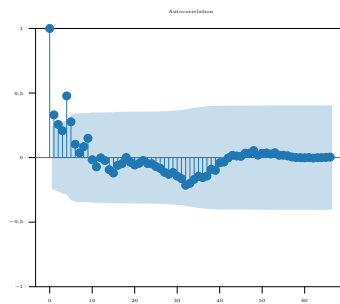
(a) sent length 02-09

(b) sent length 10-19



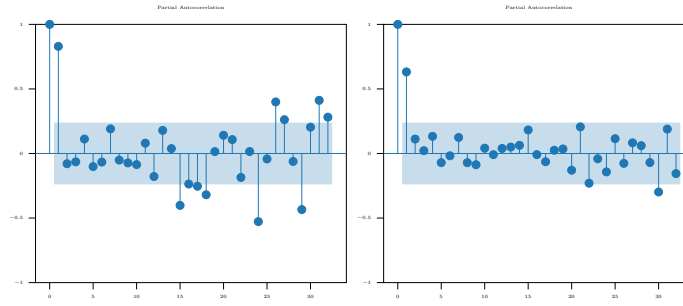
(c) sent length 20-29

(d) sent length 30-39



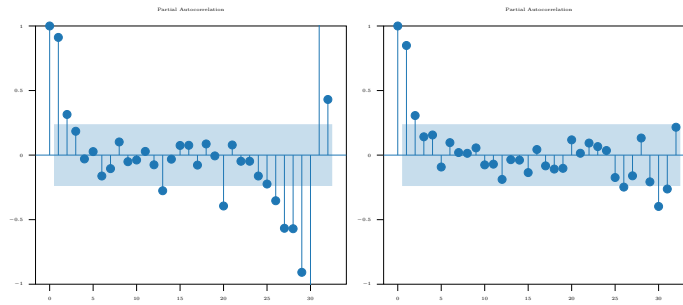
(e) sent length 40+

2.4.2 Statistics-pacf



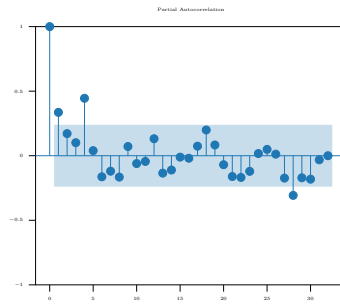
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



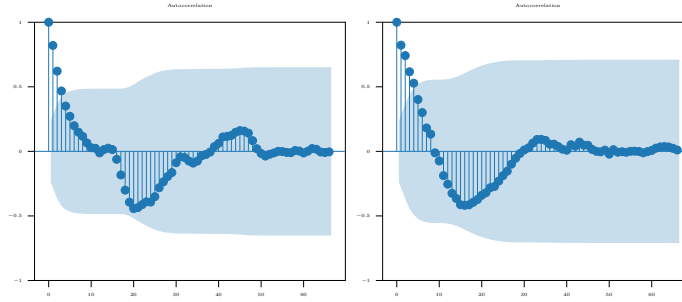
(e) sent length 40+

2.4.3 Statistics-cor

sent length 02-09 - Correlation: 0.14010895236417398
sent length 10-19 - Correlation: -0.5894443326634791
sent length 20-29 - Correlation: -0.8974845623599115
sent length 30-39 - Correlation: -0.9082110664897831
sent length 40+ - Correlation: -0.2468201246749879

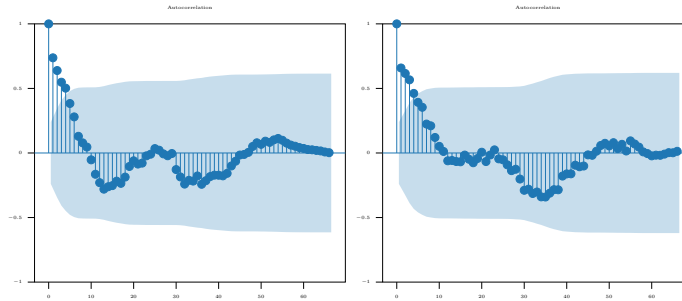
2.5 dependency index4

2.5.1 Statistics-acf



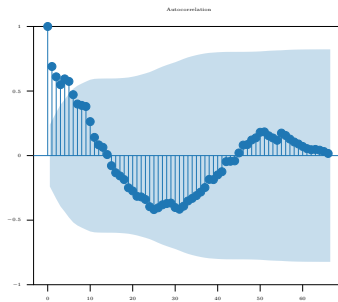
(a) sent length 02-09

(b) sent length 10-19



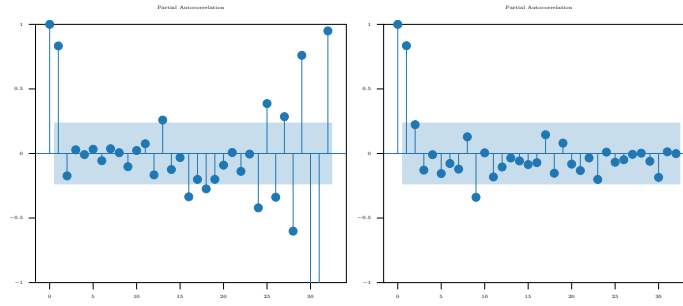
(c) sent length 20-29

(d) sent length 30-39



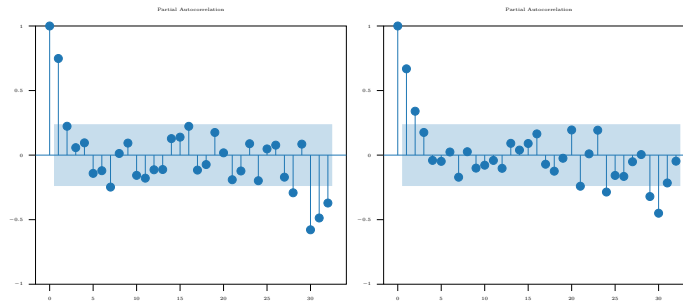
(e) sent length 40+

2.5.2 Statistics-pacf



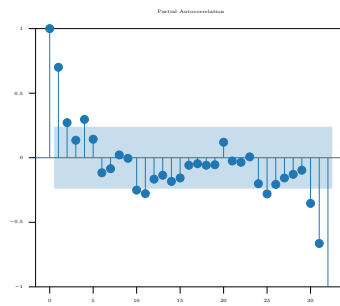
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



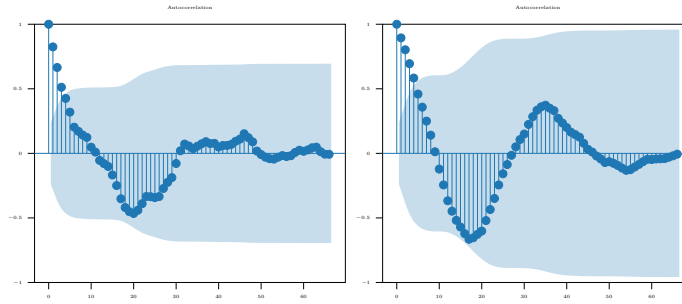
(e) sent length 40+

2.5.3 Statistics-cor

sent length 02-09 - Correlation: 0.15633337001567904
sent length 10-19 - Correlation: 0.01642256236733242
sent length 20-29 - Correlation: -0.195946878603009
sent length 30-39 - Correlation: -0.3822610835486381
sent length 40+ - Correlation: -0.07738402557316781

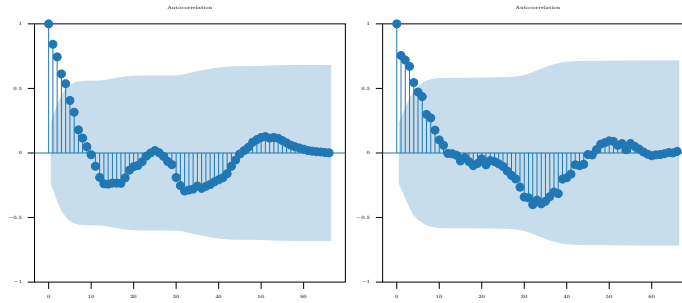
2.6 stratum of tree5

2.6.1 Statistics-acf



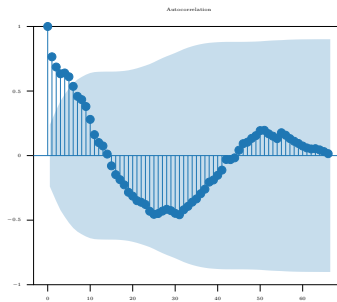
(a) sent length 02-09

(b) sent length 10-19



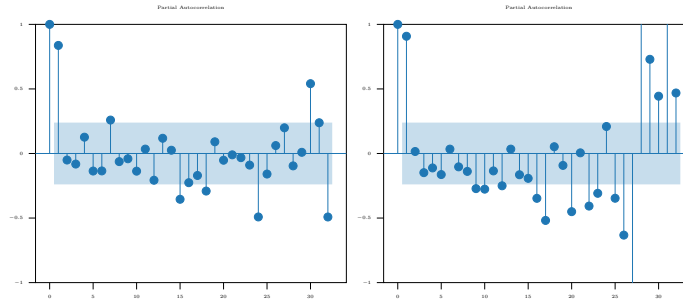
(c) sent length 20-29

(d) sent length 30-39



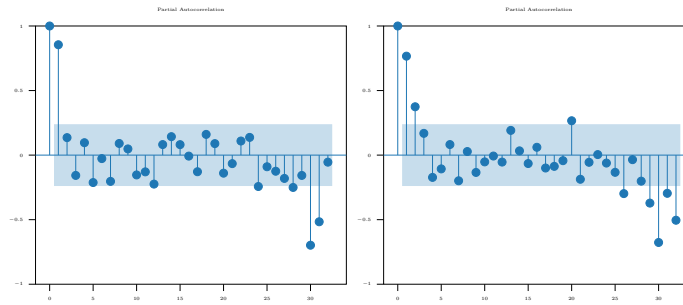
(e) sent length 40+

2.6.2 Statistics-pacf



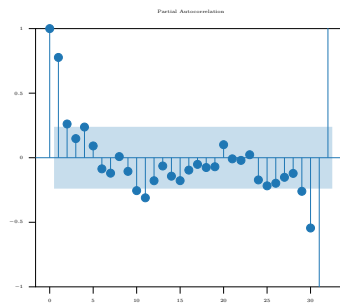
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



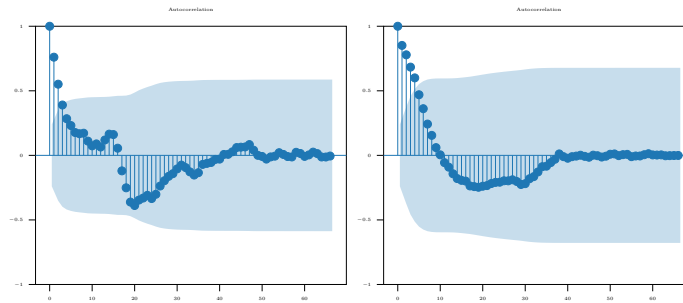
(e) sent length 40+

2.6.3 Statistics-cor

sent length 02-09 - Correlation: 0.05607898577762556
sent length 10-19 - Correlation: 0.21856153784695848
sent length 20-29 - Correlation: -0.2363991218128381
sent length 30-39 - Correlation: -0.4143674753495361
sent length 40+ - Correlation: -0.06723878217962283

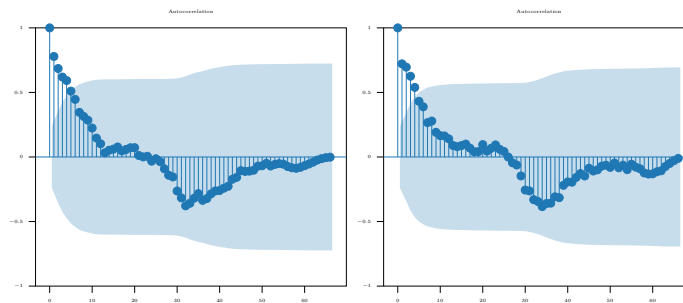
2.7 depth of tree6

2.7.1 Statistics-acf



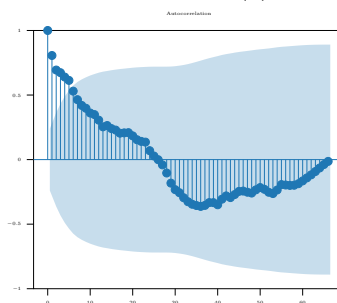
(a) sent length 02-09

(b) sent length 10-19



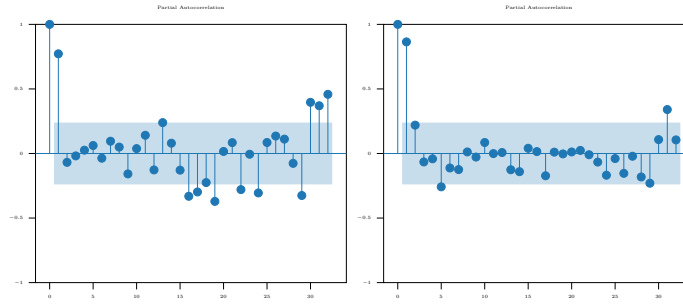
(c) sent length 20-29

(d) sent length 30-39



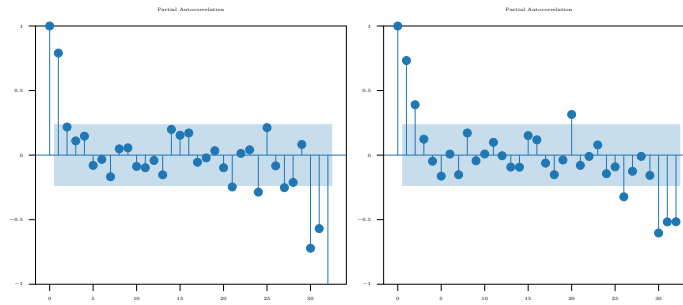
(e) sent length 40+

2.7.2 Statistics-pacf



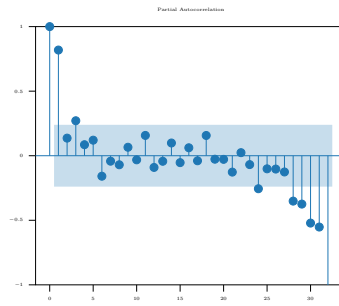
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



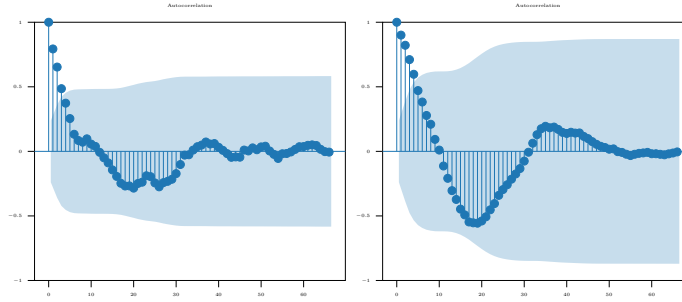
(e) sent length 40+

2.7.3 Statistics-cor

sent length 02-09 - Correlation: 0.2810434328238747
sent length 10-19 - Correlation: -0.3267370829596416
sent length 20-29 - Correlation: -0.6170747385747186
sent length 30-39 - Correlation: -0.6458285558849329
sent length 40+ - Correlation: -0.8326331063439542

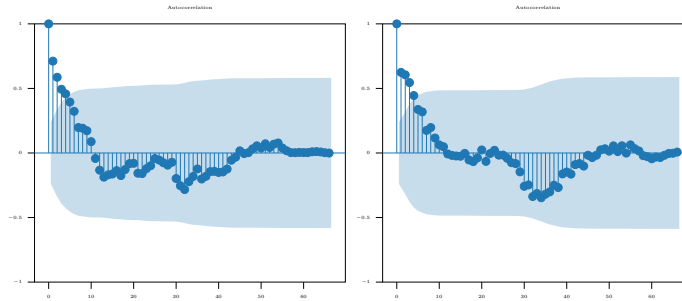
2.8 ratio vertices on lp from rt7

2.8.1 Statistics-acf



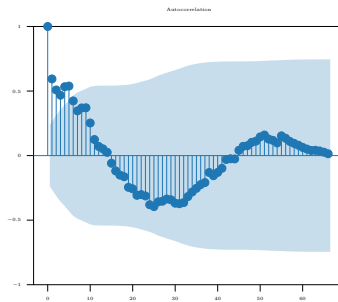
(a) sent length 02-09

(b) sent length 10-19



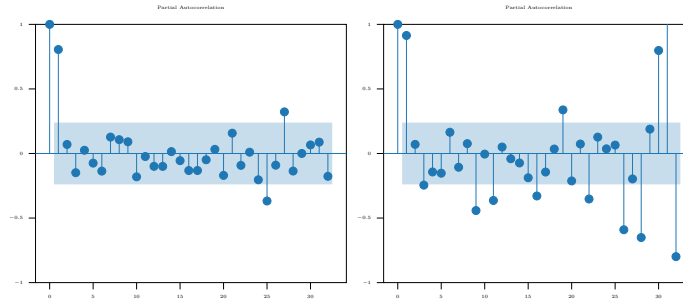
(c) sent length 20-29

(d) sent length 30-39



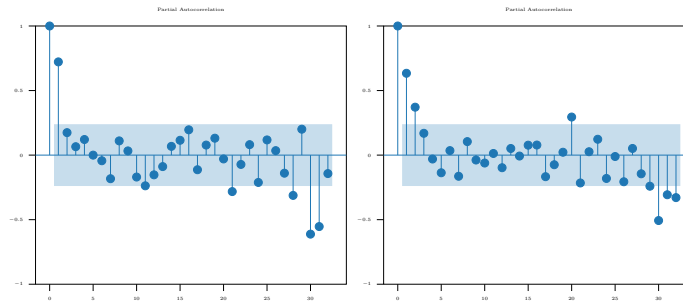
(e) sent length 40+

2.8.2 Statistics-pacf



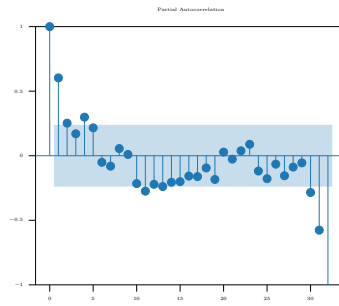
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



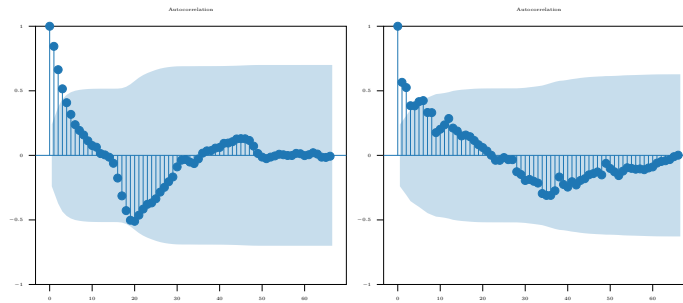
(e) sent length 40+

2.8.3 Statistics-cor

sent length 02-09 - Correlation: 0.20263000371833975
sent length 10-19 - Correlation: -0.05165621774472336
sent length 20-29 - Correlation: -0.3148424151728084
sent length 30-39 - Correlation: -0.42755977667057343
sent length 40+ - Correlation: -0.07745850370887922

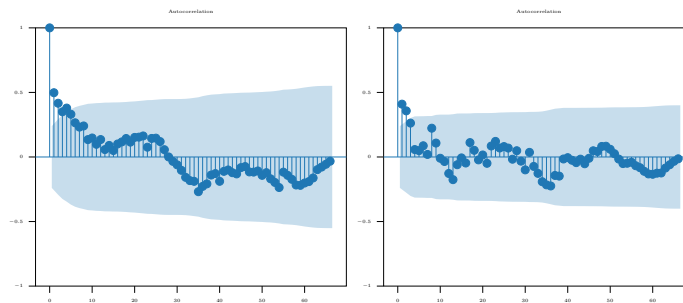
2.9 leaf distance entropy8

2.9.1 Statistics-acf



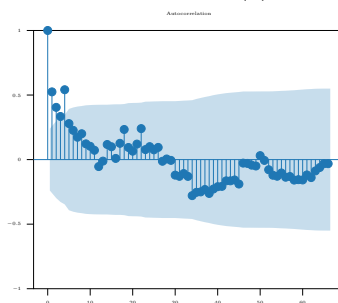
(a) sent length 02-09

(b) sent length 10-19



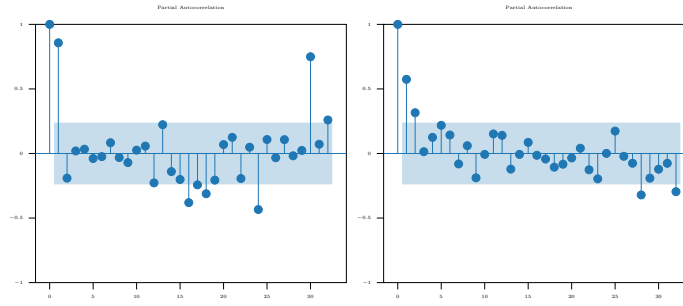
(c) sent length 20-29

(d) sent length 30-39

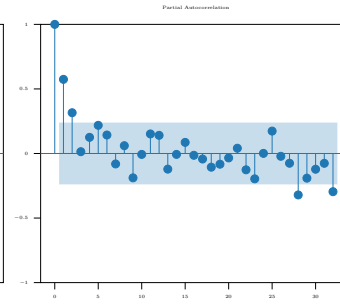


(e) sent length 40+

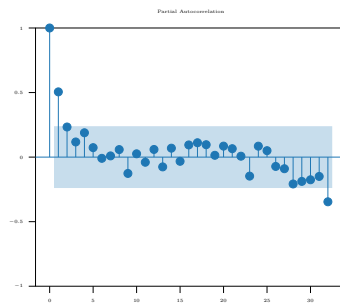
2.9.2 Statistics-pacf



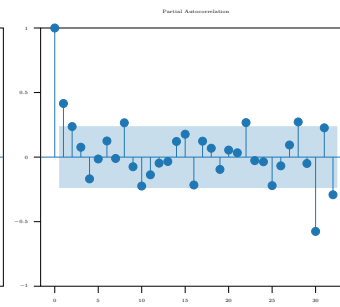
(a) sent length 02-09



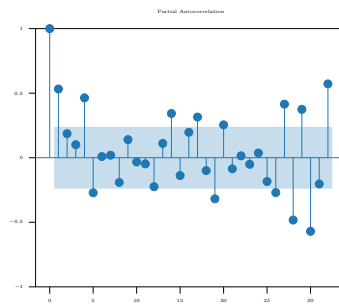
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



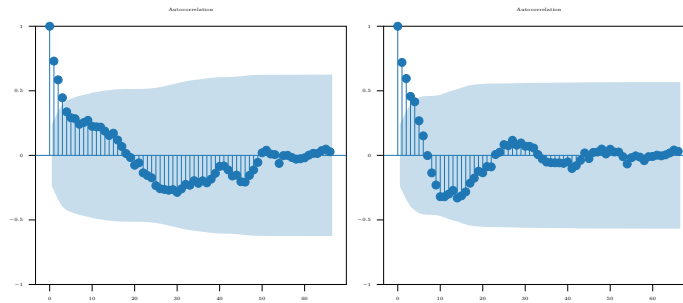
(e) sent length 40+

2.9.3 Statistics-cor

sent length 02-09 - Correlation: 0.15417223382208087
sent length 10-19 - Correlation: -0.6427160579151373
sent length 20-29 - Correlation: -0.6880395477632886
sent length 30-39 - Correlation: -0.43398178409347604
sent length 40+ - Correlation: -0.6209729468258159

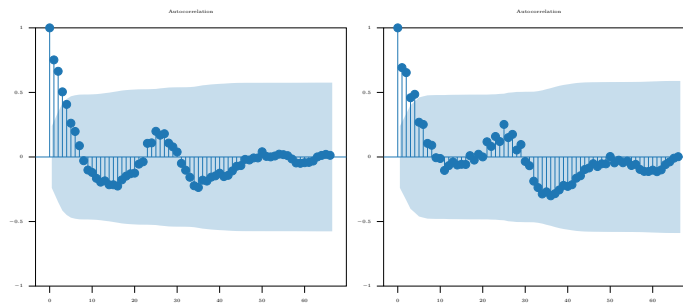
2.10 ratio of leafs at d1 to rt9

2.10.1 Statistics-acf



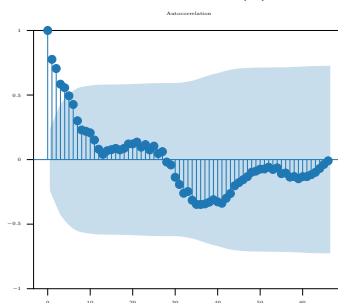
(a) sent length 02-09

(b) sent length 10-19



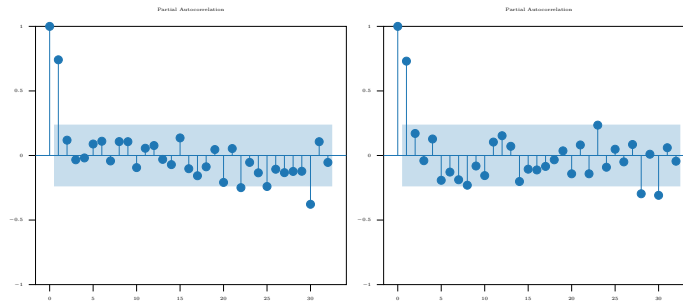
(c) sent length 20-29

(d) sent length 30-39



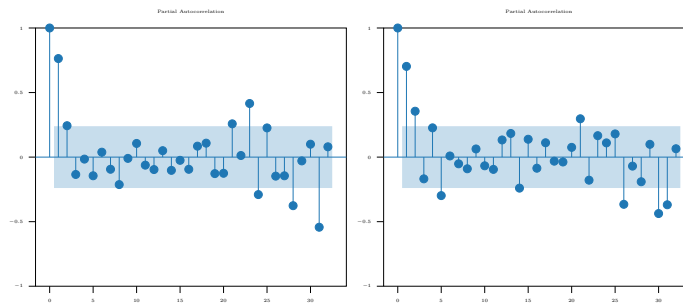
(e) sent length 40+

2.10.2 Statistics-pacf



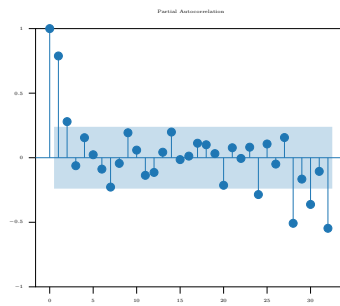
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



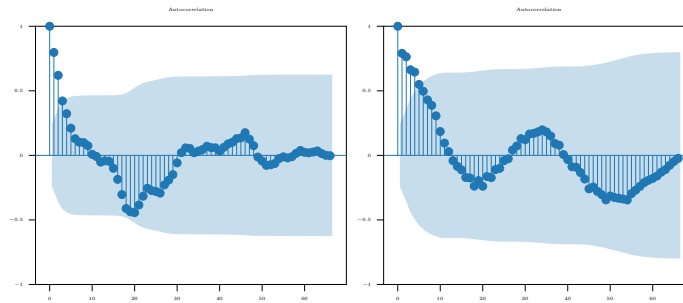
(e) sent length 40+

2.10.3 Statistics-cor

sent length 02-09 - Correlation: -0.48121735953737627
sent length 10-19 - Correlation: 0.1636780129536128
sent length 20-29 - Correlation: 0.3588051832053283
sent length 30-39 - Correlation: 0.5498741381720351
sent length 40+ - Correlation: 0.6934724288882521

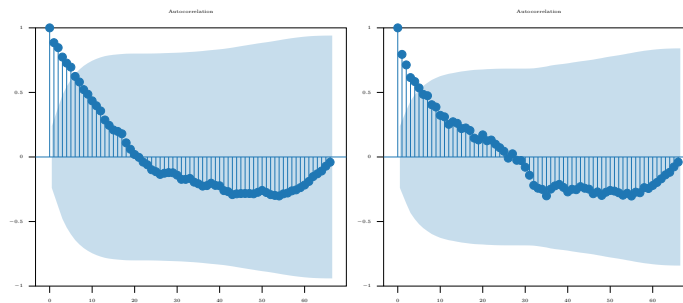
2.11 mean dependency distance10

2.11.1 Statistics-acf



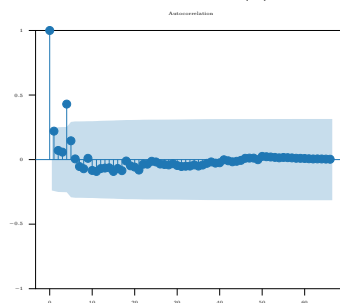
(a) sent length 02-09

(b) sent length 10-19



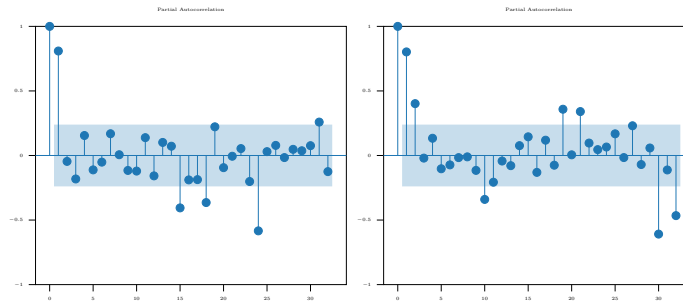
(c) sent length 20-29

(d) sent length 30-39



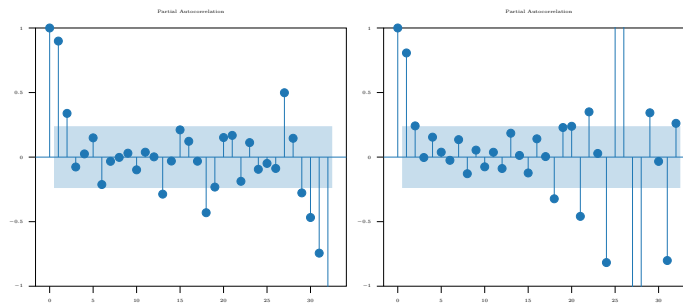
(e) sent length 40+

2.11.2 Statistics-pacf



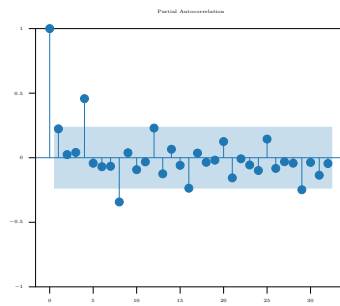
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



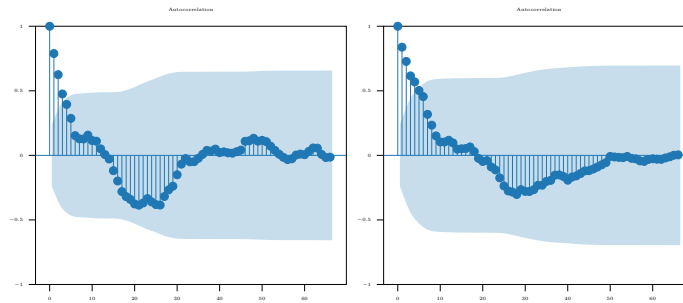
(e) sent length 40+

2.11.3 Statistics-cor

sent length 02-09 - Correlation: 0.017475366968689985
sent length 10-19 - Correlation: -0.7514655117136416
sent length 20-29 - Correlation: -0.8804427080178496
sent length 30-39 - Correlation: -0.8656664422860134
sent length 40+ - Correlation: 0.10346085832115248

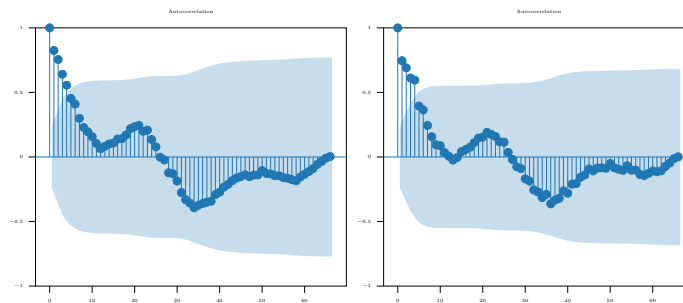
2.12 dependency distance entropy11

2.12.1 Statistics-acf



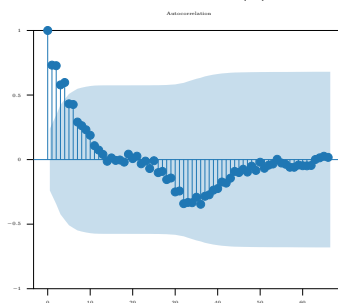
(a) sent length 02-09

(b) sent length 10-19



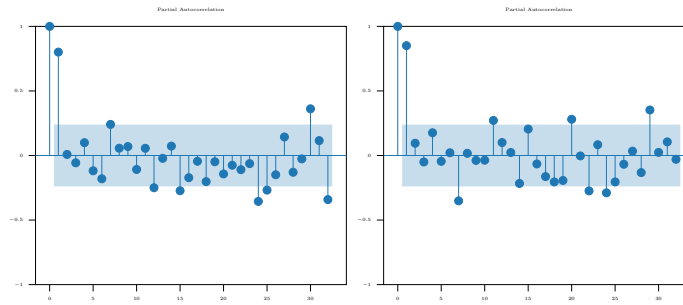
(c) sent length 20-29

(d) sent length 30-39



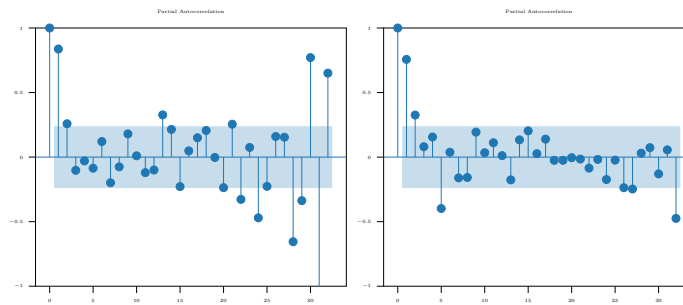
(e) sent length 40+

2.12.2 Statistics-pacf



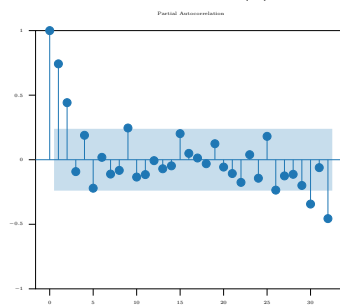
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



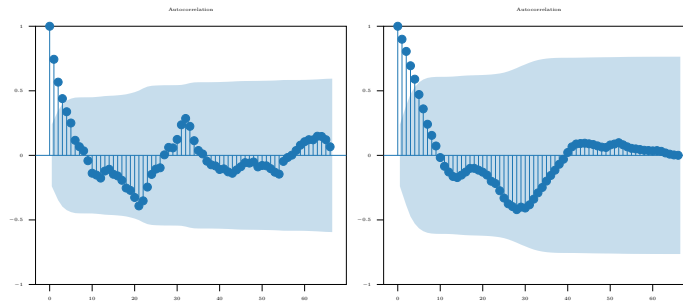
(e) sent length 40+

2.12.3 Statistics-cor

sent length 02-09 - Correlation: 0.006932206289727792
sent length 10-19 - Correlation: 0.5291379797131063
sent length 20-29 - Correlation: 0.7158688088331048
sent length 30-39 - Correlation: 0.645338099986995
sent length 40+ - Correlation: 0.5484156792807943

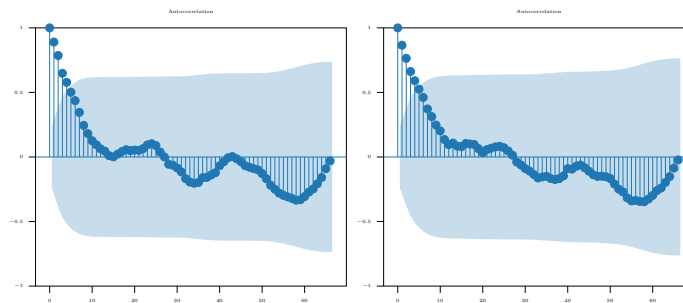
2.13 ratio arcs adjacent tokens¹²

2.13.1 Statistics-acf



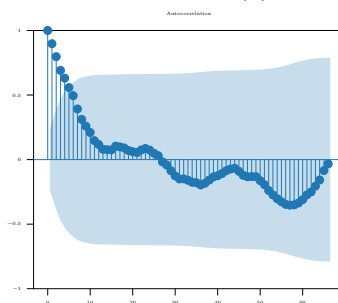
(a) sent length 02-09

(b) sent length 10-19



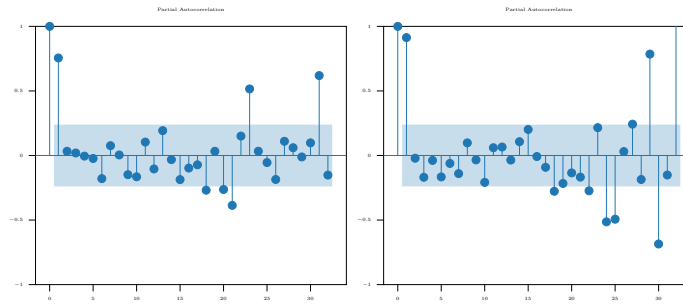
(c) sent length 20-29

(d) sent length 30-39



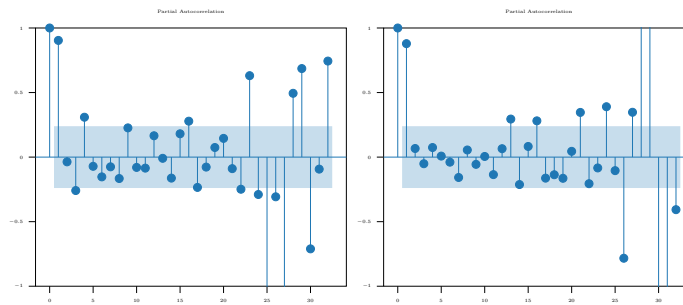
(e) sent length 40+

2.13.2 Statistics-pacf



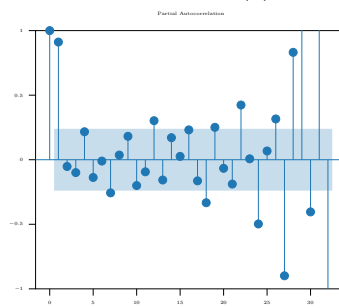
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



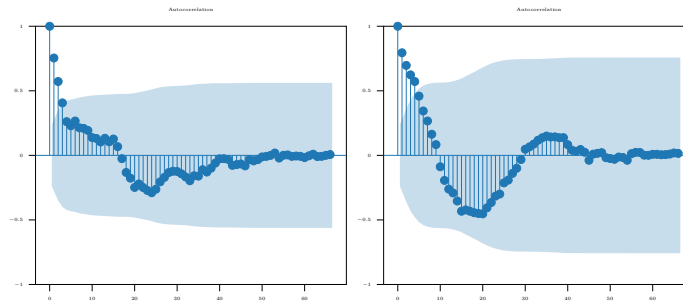
(e) sent length 40+

2.13.3 Statistics-cor

sent length 02-09 - Correlation: 0.06711211299320716
sent length 10-19 - Correlation: 0.16685232017761126
sent length 20-29 - Correlation: -0.7906582371026935
sent length 30-39 - Correlation: -0.8288296250069414
sent length 40+ - Correlation: -0.8361402616937538

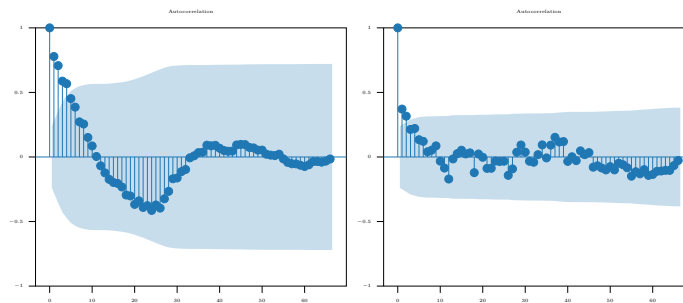
2.14 ratio arcs distances occ once13

2.14.1 Statistics-acf



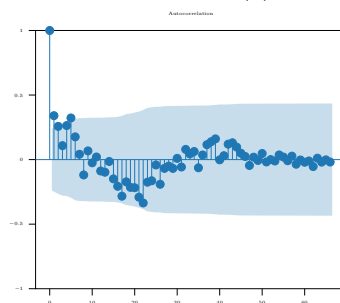
(a) sent length 02-09

(b) sent length 10-19



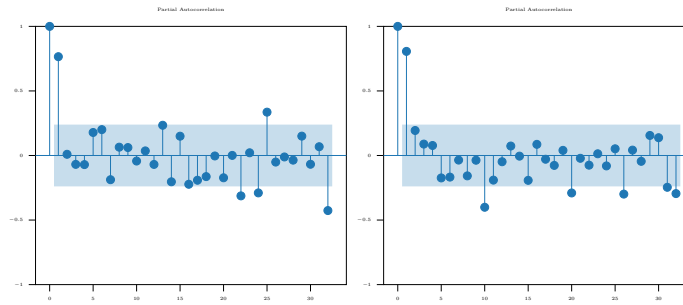
(c) sent length 20-29

(d) sent length 30-39



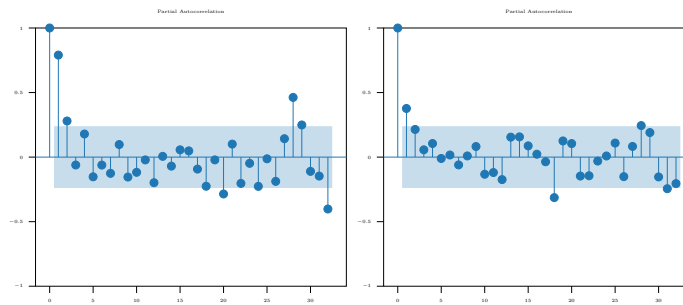
(e) sent length 40+

2.14.2 Statistics-pacf



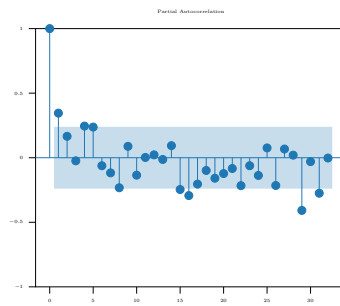
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



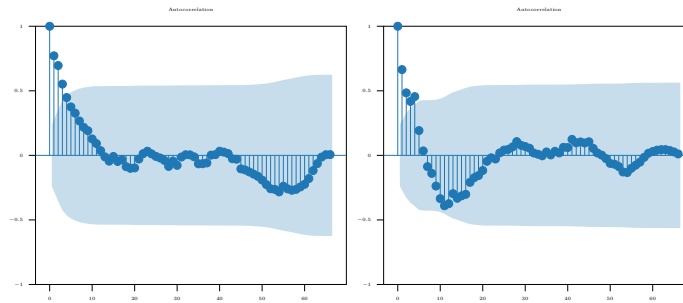
(e) sent length 40+

2.14.3 Statistics-cor

sent length 02-09 - Correlation: -0.39563136736858845
sent length 10-19 - Correlation: -0.0742551933708425
sent length 20-29 - Correlation: -0.3090411703539354
sent length 30-39 - Correlation: -0.4777683035282159
sent length 40+ - Correlation: 0.011565780953114385

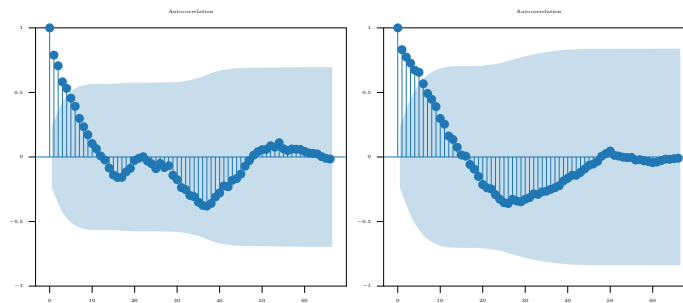
2.15 imbalance index14

2.15.1 Statistics-acf



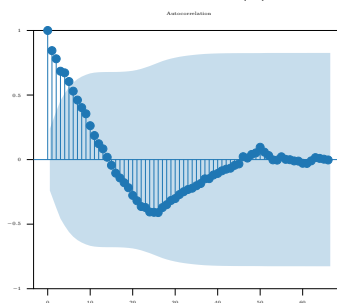
(a) sent length 02-09

(b) sent length 10-19



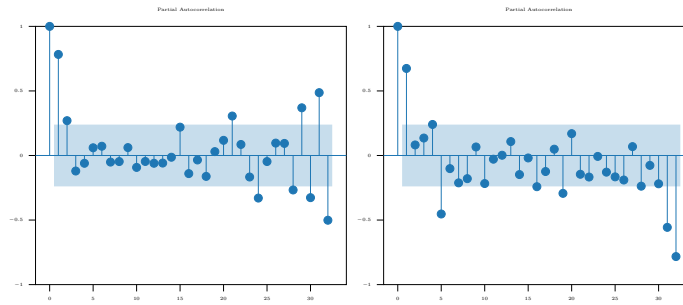
(c) sent length 20-29

(d) sent length 30-39

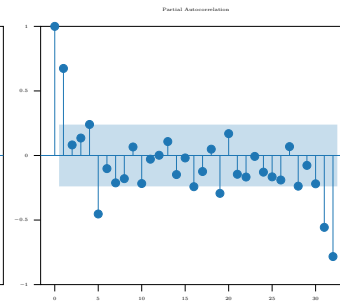


(e) sent length 40+

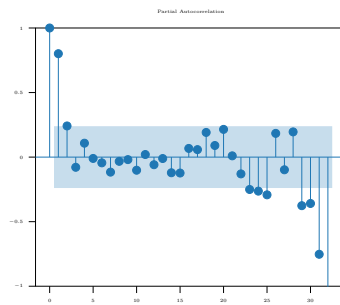
2.15.2 Statistics-pacf



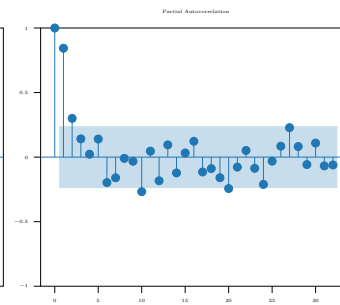
(a) sent length 02-09



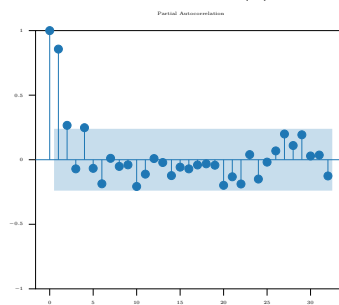
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



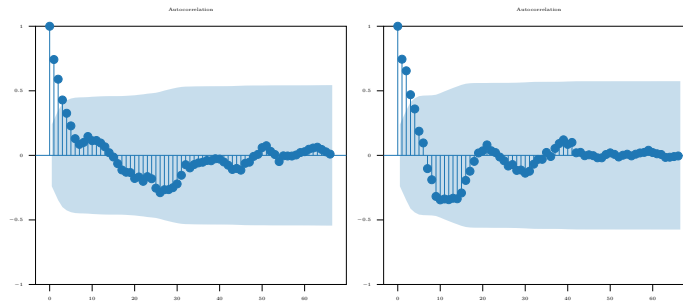
(e) sent length 40+

2.15.3 Statistics-cor

sent length 02-09 - Correlation: 0.6803814636470771
sent length 10-19 - Correlation: 0.016961248407189385
sent length 20-29 - Correlation: -0.4037720874675661
sent length 30-39 - Correlation: -0.5328348373098132
sent length 40+ - Correlation: -0.4337936370120079

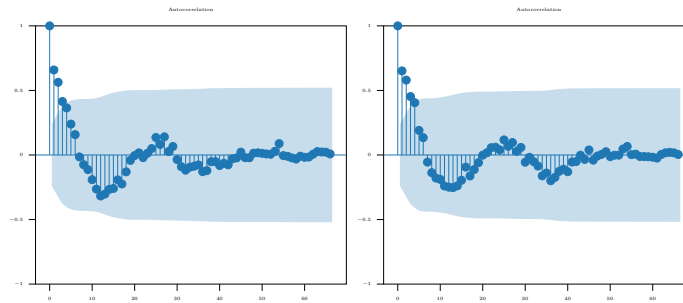
2.16 ratio of leafs15

2.16.1 Statistics-acf



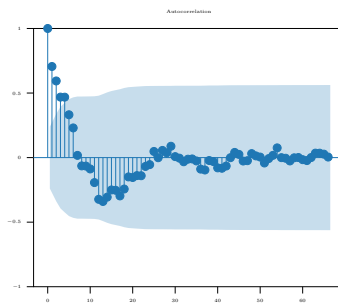
(a) sent length 02-09

(b) sent length 10-19



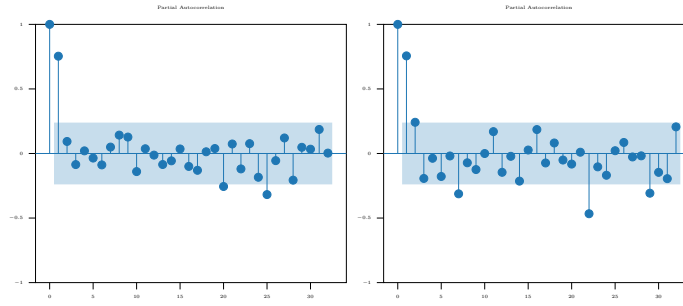
(c) sent length 20-29

(d) sent length 30-39

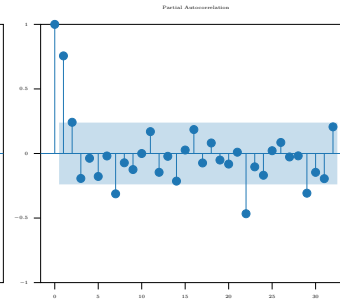


(e) sent length 40+

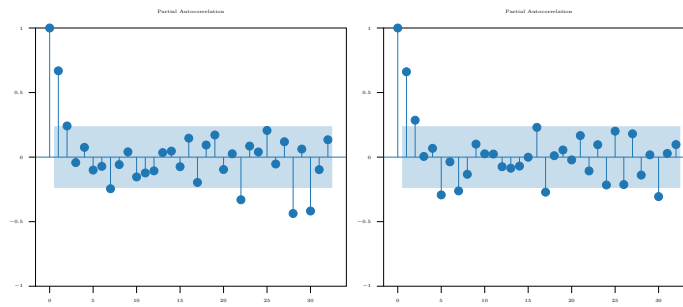
2.16.2 Statistics-pacf



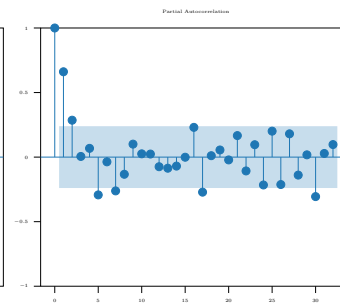
(a) sent length 02-09



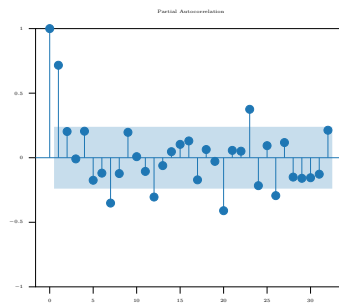
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



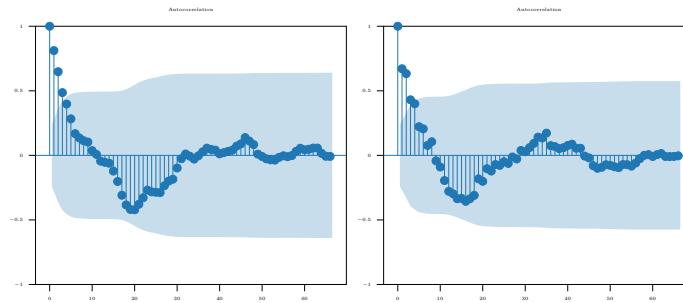
(e) sent length 40+

2.16.3 Statistics-cor

sent length 02-09 - Correlation: -0.2858758558019987
sent length 10-19 - Correlation: 0.026763362655766034
sent length 20-29 - Correlation: 0.21655974923663907
sent length 30-39 - Correlation: 0.24844300017252066
sent length 40+ - Correlation: 0.19612437677038727

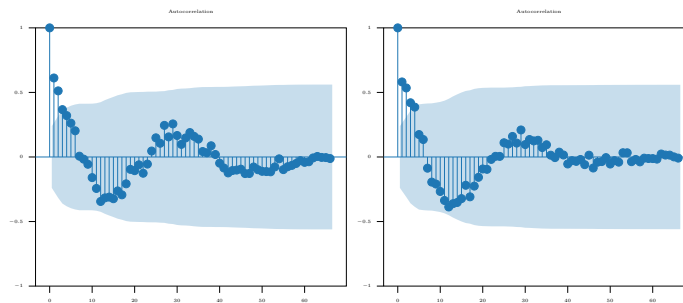
2.17 number of leafs16

2.17.1 Statistics-acf



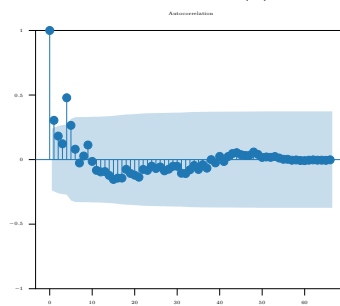
(a) sent length 02-09

(b) sent length 10-19



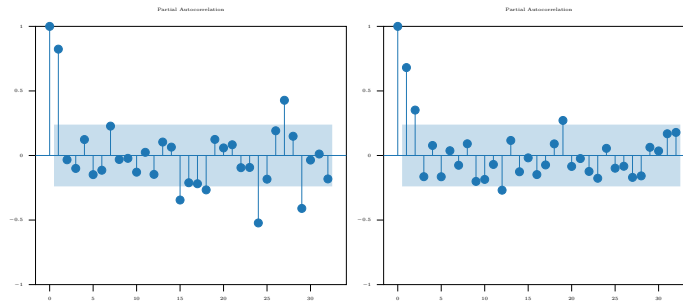
(c) sent length 20-29

(d) sent length 30-39

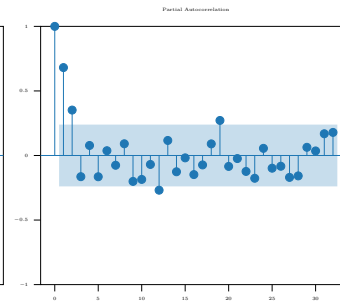


(e) sent length 40+

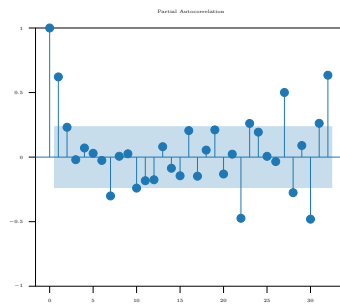
2.17.2 Statistics-pacf



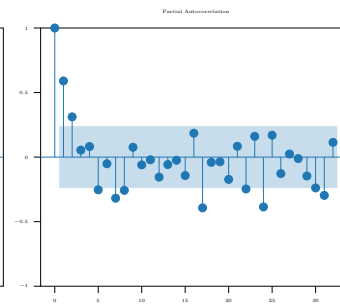
(a) sent length 02-09



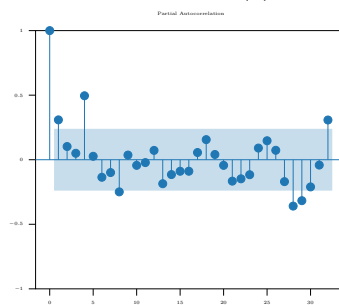
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



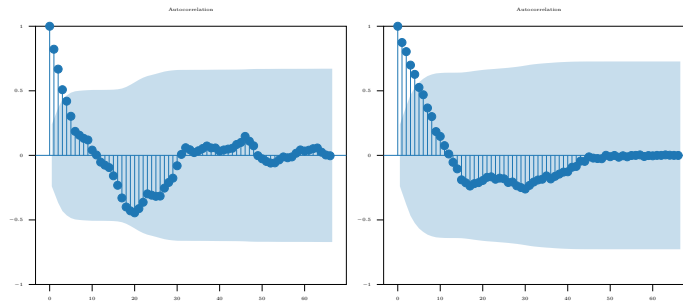
(e) sent length 40+

2.17.3 Statistics-cor

sent length 02-09 - Correlation: 0.03745169355172178
sent length 10-19 - Correlation: -0.27536790728541816
sent length 20-29 - Correlation: -0.362277633427112
sent length 30-39 - Correlation: -0.1444008739444364
sent length 40+ - Correlation: -0.15007598444233916

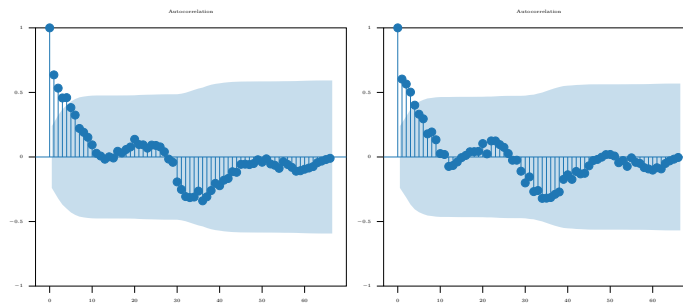
2.18 width of tree19

2.18.1 Statistics-acf



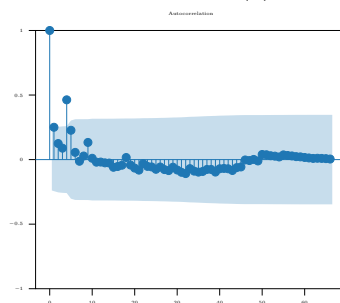
(a) sent length 02-09

(b) sent length 10-19



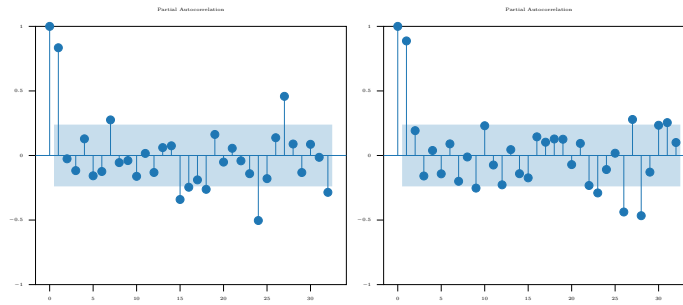
(c) sent length 20-29

(d) sent length 30-39



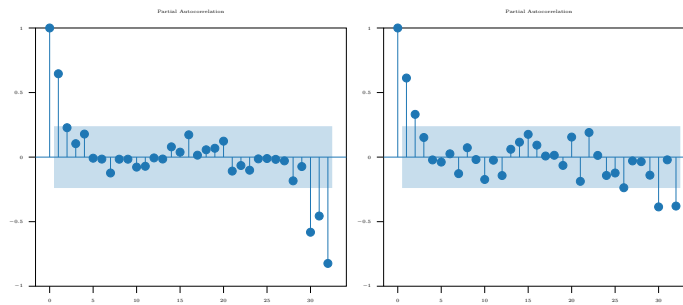
(e) sent length 40+

2.18.2 Statistics-pacf



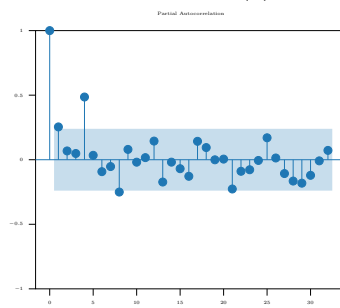
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



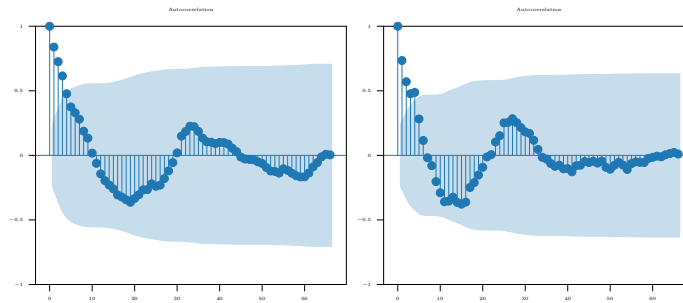
(e) sent length 40+

2.18.3 Statistics-cor

sent length 02-09 - Correlation: -0.07555549412152189
sent length 10-19 - Correlation: 0.4283070428019293
sent length 20-29 - Correlation: 0.5705730020785071
sent length 30-39 - Correlation: 0.5263139428522366
sent length 40+ - Correlation: 0.2133471500797488

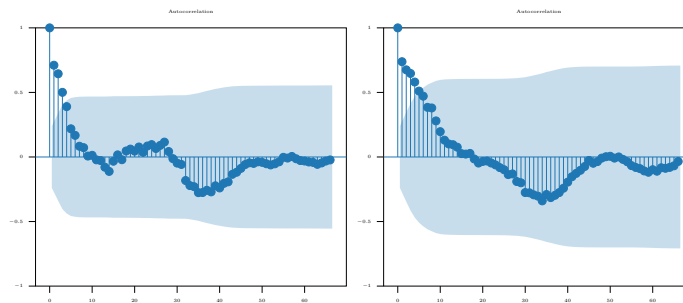
2.19 lowest lv max width20

2.19.1 Statistics-acf



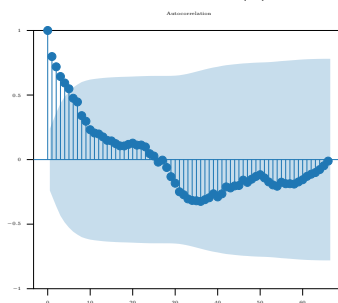
(a) sent length 02-09

(b) sent length 10-19



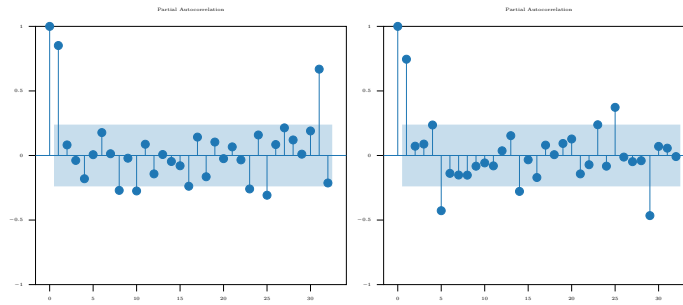
(c) sent length 20-29

(d) sent length 30-39



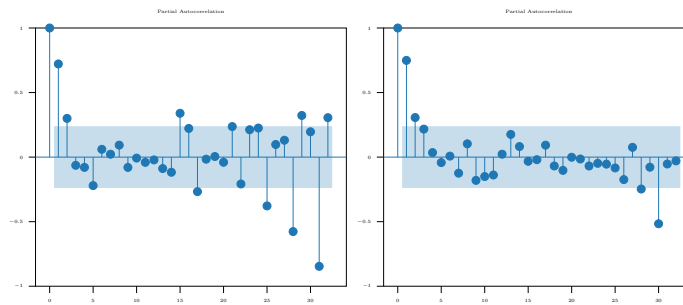
(e) sent length 40+

2.19.2 Statistics-pacf



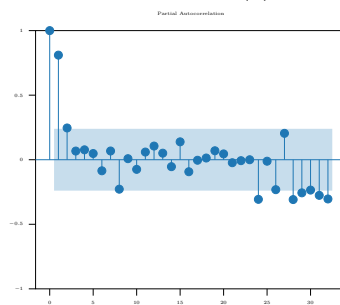
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



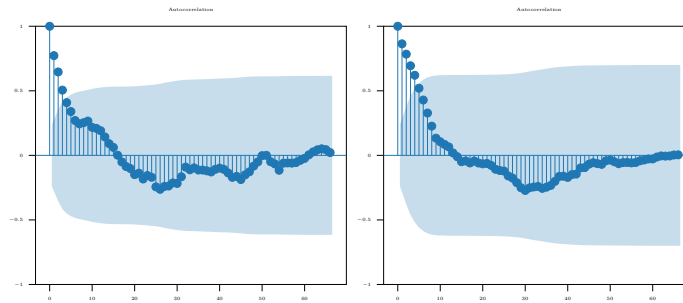
(e) sent length 40+

2.19.3 Statistics-cor

sent length 02-09 - Correlation: 0.45373149713681793
sent length 10-19 - Correlation: 0.3390127901848368
sent length 20-29 - Correlation: -0.498174035117698
sent length 30-39 - Correlation: -0.6076336814264256
sent length 40+ - Correlation: -0.7609812676831772

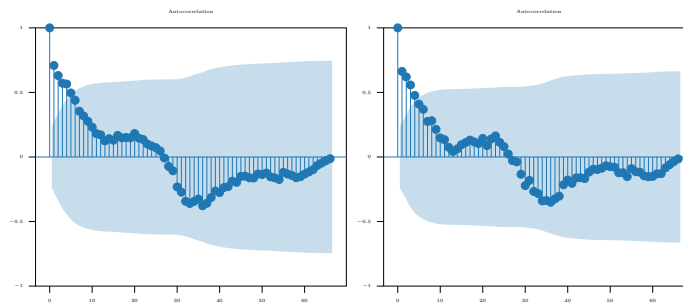
2.20 ratio vertices belonging latter level21

2.20.1 Statistics-acf



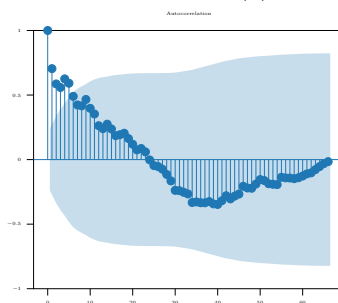
(a) sent length 02-09

(b) sent length 10-19



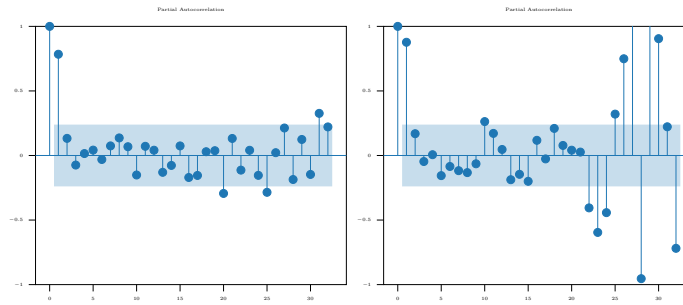
(c) sent length 20-29

(d) sent length 30-39



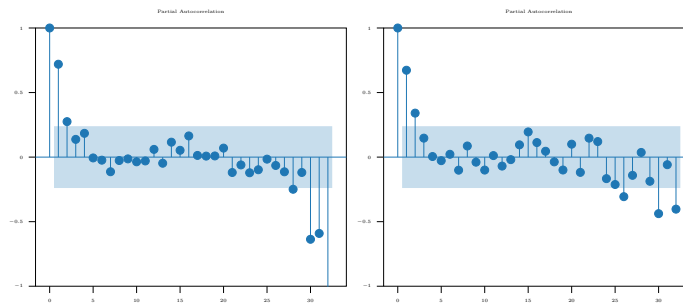
(e) sent length 40+

2.20.2 Statistics-pacf



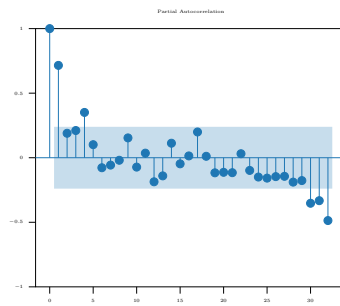
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



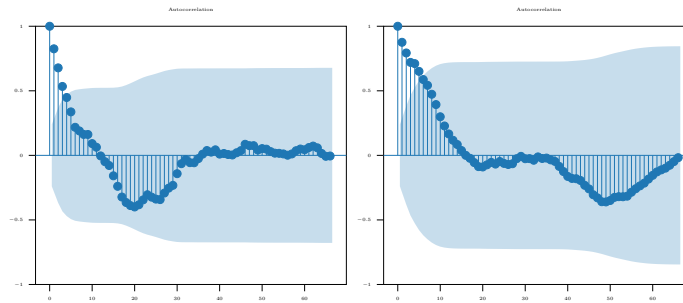
(e) sent length 40+

2.20.3 Statistics-cor

sent length 02-09 - Correlation: -0.48790725662481377
sent length 10-19 - Correlation: 0.5251752961881678
sent length 20-29 - Correlation: 0.7226240314513406
sent length 30-39 - Correlation: 0.6717000088245004
sent length 40+ - Correlation: 0.7755648322136692

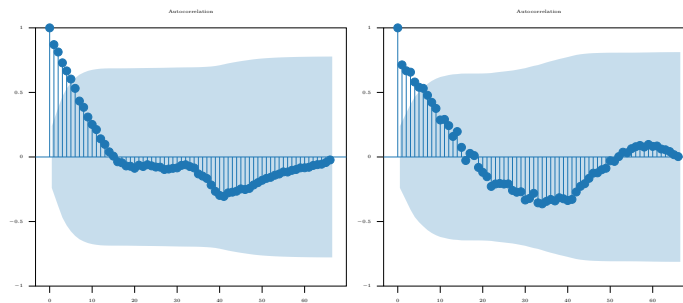
2.21 Hirsch index22

2.21.1 Statistics-acf



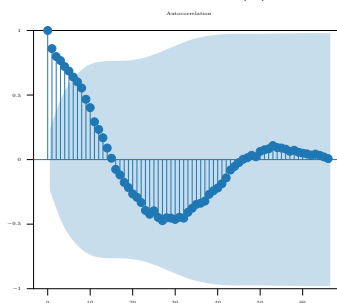
(a) sent length 02-09

(b) sent length 10-19



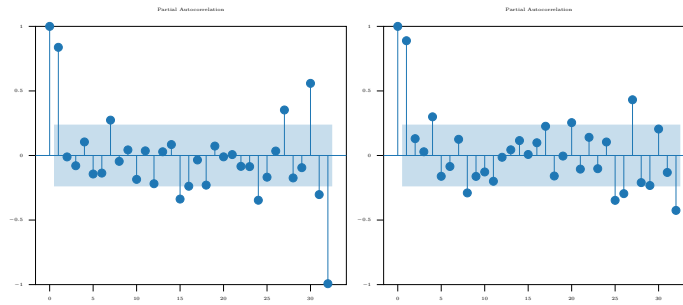
(c) sent length 20-29

(d) sent length 30-39

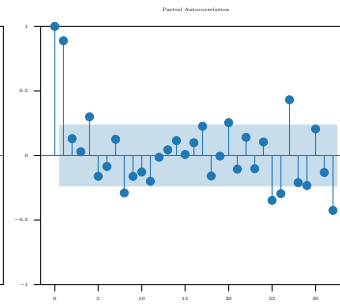


(e) sent length 40+

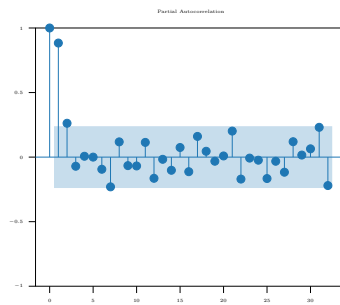
2.21.2 Statistics-pacf



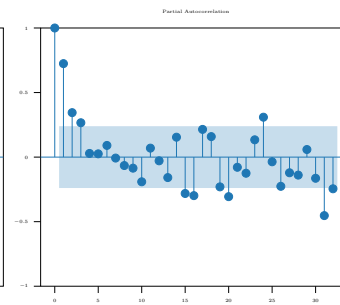
(a) sent length 02-09



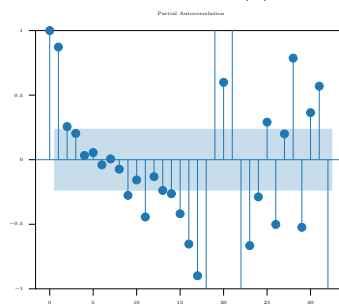
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



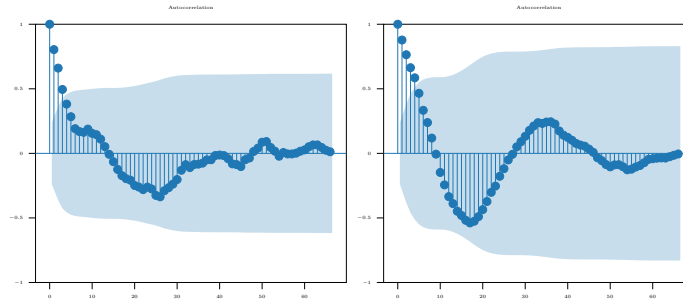
(e) sent length 40+

2.21.3 Statistics-cor

sent length 02-09 - Correlation: 0.0266595095648073
sent length 10-19 - Correlation: -0.8144186111165863
sent length 20-29 - Correlation: -0.7039554315337464
sent length 30-39 - Correlation: -0.4904980608610798
sent length 40+ - Correlation: -0.41904024760577135

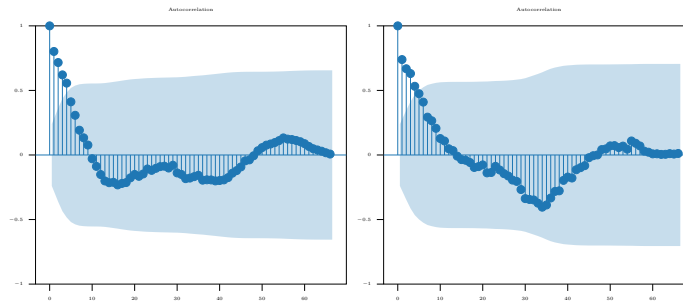
2.22 ratio vertices contributing h index23

2.22.1 Statistics-acf



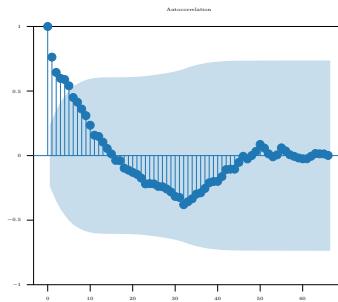
(a) sent length 02-09

(b) sent length 10-19



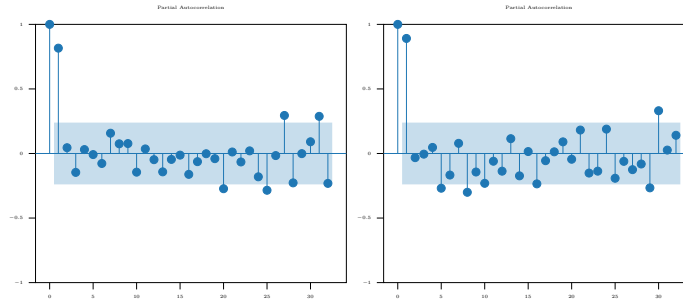
(c) sent length 20-29

(d) sent length 30-39



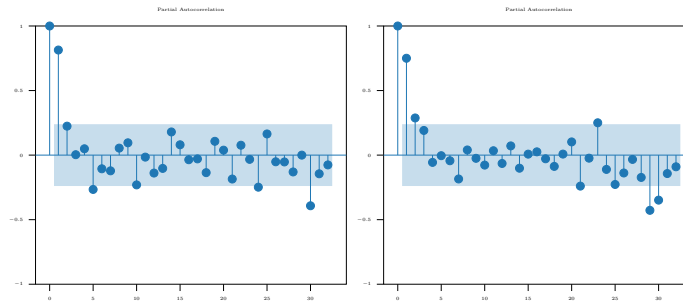
(e) sent length 40+

2.22.2 Statistics-pacf



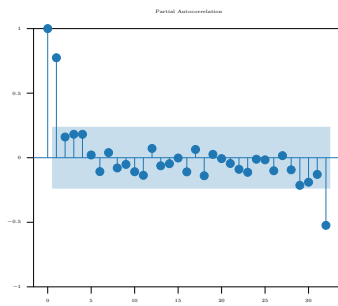
(a) sent length 02-09

(b) sent length 10-19



(c) sent length 20-29

(d) sent length 30-39



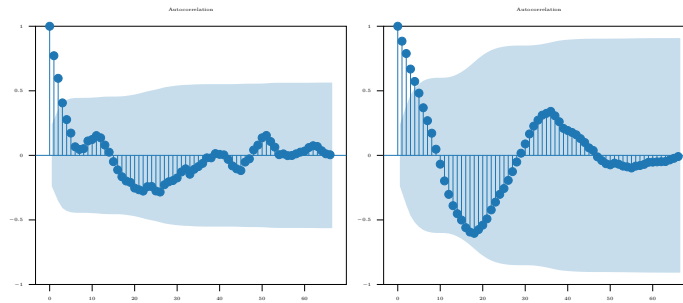
(e) sent length 40+

2.22.3 Statistics-cor

sent length 02-09 - Correlation: -0.2639514352571475
sent length 10-19 - Correlation: -0.3086729268742529
sent length 20-29 - Correlation: 0.16733150211525227
sent length 30-39 - Correlation: 0.38430049658011445
sent length 40+ - Correlation: 0.4626145903740702

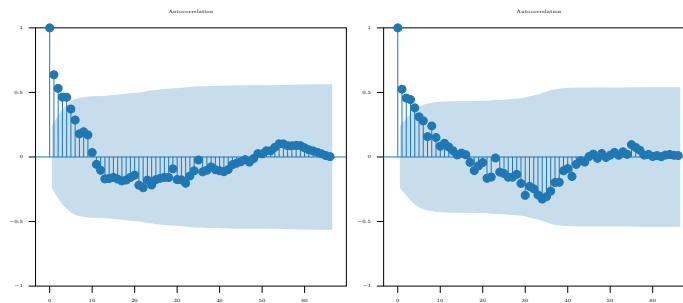
2.23 relative h index24

2.23.1 Statistics-acf



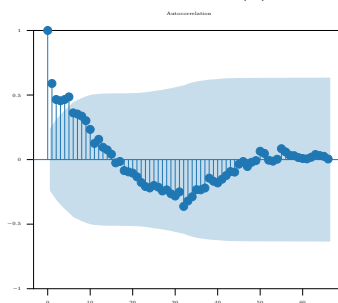
(a) sent length 02-09

(b) sent length 10-19



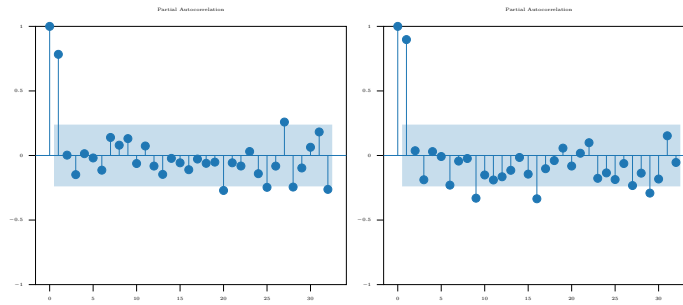
(c) sent length 20-29

(d) sent length 30-39

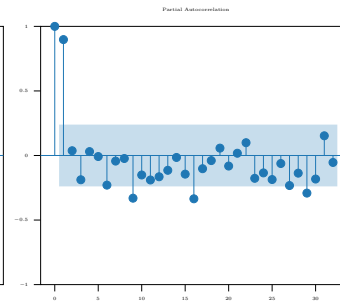


(e) sent length 40+

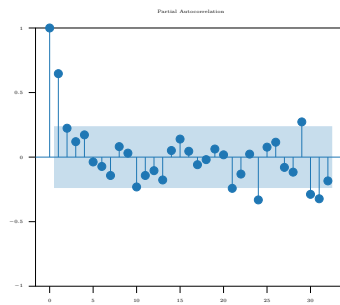
2.23.2 Statistics-pacf



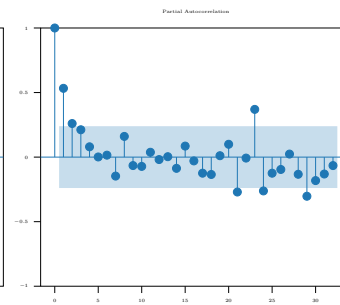
(a) sent length 02-09



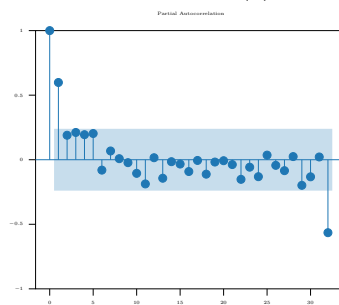
(b) sent length 10-19



(c) sent length 20-29



(d) sent length 30-39



(e) sent length 40+

2.23.3 Statistics-cor

sent length 02-09 - Correlation: -0.14169033493417466
sent length 10-19 - Correlation: -0.23308474936547963
sent length 20-29 - Correlation: 0.12001486511536691
sent length 30-39 - Correlation: 0.33051338670412017
sent length 40+ - Correlation: 0.3977747916896579