# Q09\_31\_20 --------- START ---------------------

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| 09\_31\_20  HYP 1&2 | Q9 The following group of statements relates to your views on the use of data across your research field. Tell us how much you agree with each using the following scale: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly  Q9\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science.  Q9\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.  Q9\_3 Data may be misinterpreted due to complexity of the data.  Q9\_4 Data may be misinterpreted due to poor quality of the data.  Q9\_5 Data may be used in other ways than intended. | Q31 The following statements relate to your views on the use of scientific research data. Tell us how much you agree with each statement. agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly  Q31\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science.  Q31\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.  Q31\_3 Data may be misinterpreted due to complexity of the data.  Q31\_4 Data may be misinterpreted due to poor quality of the data.  Q31\_5 Data may be used in other ways than intended. | Q20 The following statements relate to your views on the use of scientific research data. Tell us how much you agree with each statement. Disagree strongly / Disagree somewhat / Neither agree nor disagree / Agree somewhat / Agree strongly / Not sure  Q20\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science.  Q20\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.  Q20\_3 Data may be misinterpreted due to complexity of the data.  Q20\_4 Data may be misinterpreted due to poor quality of the data.  Q20\_5 Data may be used in other ways than intended. |

# SURVEY 1

# Q9 The following group of statements relates to your views on the use of data across your research field. Tell us how much you agree with each using the following scale: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

dummy1Q9\_1 = surveyOne$Q9\_1 # Q9\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science.

dummy1Q9\_2 = surveyOne$Q9\_2 # Q9\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.

dummy1Q9\_3 = surveyOne$Q9\_3 # Q9\_3 Data may be misinterpreted due to complexity of the data.

dummy1Q9\_4 = surveyOne$Q9\_4 # Q9\_4 Data may be misinterpreted due to poor quality of the data.

dummy1Q9\_5 = surveyOne$Q9\_5 # Q9\_5 Data may be used in other ways than intended.

dummyQ = dummy1Q9\_1

# all responses coded as text: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly, or " " for no entry

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNA=0

for (zz in (1:bigN1) ) { # print(dummyQ[zz])

if (dummyQ[zz] == 'agree strongly' ) { NStrAgree = 1+ NStrAgree }

if (dummyQ[zz] == 'agree somewhat' ) { NAgree = 1+ NAgree }

if (dummyQ[zz] == 'neither agree nor disagree' ) { NNeith = 1+ NNeith }

if (dummyQ[zz] == 'disagree somewhat' ) { NDis = 1+ NDis }

if (dummyQ[zz] == 'disagree strongly' ) { NStrDis = 1+ NStrDis }

if (dummyQ[zz] == ' ') { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' ',NNeith,' ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' ',format(NNeith/zzz,digits=4),' ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4) ))

dummy1QV9\_1 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# Q9\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science.

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 353 520 230 149 48 29 bigSumDummy = 1329 bigSumDummy-NNA = 1300

# 0.2715 0.4 0.1769 0.1146 0.03692

dummyQ = dummy1Q9\_2

# all responses coded as text: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly, or " " for no entry

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNA=0

for (zz in (1:bigN1) ) { # print(dummyQ[zz])

if (dummyQ[zz] == 'agree strongly' ) { NStrAgree = 1+ NStrAgree }

if (dummyQ[zz] == 'agree somewhat' ) { NAgree = 1+ NAgree }

if (dummyQ[zz] == 'neither agree nor disagree' ) { NNeith = 1+ NNeith }

if (dummyQ[zz] == 'disagree somewhat' ) { NDis = 1+ NDis }

if (dummyQ[zz] == 'disagree strongly' ) { NStrDis = 1+ NStrDis }

if (dummyQ[zz] == ' ') { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' ',NNeith,' ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' ',format(NNeith/zzz,digits=4),' ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4) ))

dummy1QV9\_2 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# Q9\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 228 422 297 238 112 32 bigSumDummy = 1329 bigSumDummy-NNA = 1297

# 0.1758 0.3254 0.229 0.1835 0.08635

dummyQ = dummy1Q9\_3

# all responses coded as text: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly, or " " for no entry

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNA=0

for (zz in (1:bigN1) ) { # print(dummyQ[zz])

if (dummyQ[zz] == 'agree strongly' ) { NStrAgree = 1+ NStrAgree }

if (dummyQ[zz] == 'agree somewhat' ) { NAgree = 1+ NAgree }

if (dummyQ[zz] == 'neither agree nor disagree' ) { NNeith = 1+ NNeith }

if (dummyQ[zz] == 'disagree somewhat' ) { NDis = 1+ NDis }

if (dummyQ[zz] == 'disagree strongly' ) { NStrDis = 1+ NStrDis }

if (dummyQ[zz] == ' ') { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' ',NNeith,' ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' ',format(NNeith/zzz,digits=4),' ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4) ))

dummy1QV9\_3 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# Q9\_3 Data may be misinterpreted due to complexity of the data

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 383 590 217 77 26 36 bigSumDummy = 1329 bigSumDummy-NNA = 1293

# 0.2962 0.4563 0.1678 0.05955 0.02011

dummyQ = dummy1Q9\_4

# all responses coded as text: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly, or " " for no entry

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNA=0

for (zz in (1:bigN1) ) { # print(dummyQ[zz])

if (dummyQ[zz] == 'agree strongly' ) { NStrAgree = 1+ NStrAgree }

if (dummyQ[zz] == 'agree somewhat' ) { NAgree = 1+ NAgree }

if (dummyQ[zz] == 'neither agree nor disagree' ) { NNeith = 1+ NNeith }

if (dummyQ[zz] == 'disagree somewhat' ) { NDis = 1+ NDis }

if (dummyQ[zz] == 'disagree strongly' ) { NStrDis = 1+ NStrDis }

if (dummyQ[zz] == ' ') { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' ',NNeith,' ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' ',format(NNeith/zzz,digits=4),' ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4) ))

dummy1QV9\_4 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# Q9\_4 Data may be misinterpreted due to poor quality of the data.

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 379 540 232 107 33 38 bigSumDummy = 1329 bigSumDummy-NNA = 1291

# 0.2936 0.4183 0.1797 0.08288 0.02556

dummyQ = dummy1Q9\_5

# all responses coded as text: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly, or " " for no entry

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNA=0

for (zz in (1:bigN1) ) { # print(dummyQ[zz])

if (dummyQ[zz] == 'agree strongly' ) { NStrAgree = 1+ NStrAgree }

if (dummyQ[zz] == 'agree somewhat' ) { NAgree = 1+ NAgree }

if (dummyQ[zz] == 'neither agree nor disagree' ) { NNeith = 1+ NNeith }

if (dummyQ[zz] == 'disagree somewhat' ) { NDis = 1+ NDis }

if (dummyQ[zz] == 'disagree strongly' ) { NStrDis = 1+ NStrDis }

if (dummyQ[zz] == ' ') { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' ',NNeith,' ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' ',format(NNeith/zzz,digits=4),' ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4) ))

dummy1QV9\_5 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# Q9\_5 Data may be used in other ways than intended.

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 410 539 249 68 23 40 bigSumDummy = 1329 bigSumDummy-NNA = 1289

# 0.3181 0.4182 0.1932 0.05275 0.01784

dummy1QV9\_1

dummy1QV9\_2

dummy1QV9\_3

dummy1QV9\_4

dummy1QV9\_5

**# dummy1QV9\_1 [1] 2.715385e-01 4.000000e-01 1.769231e-01 1.146154e-01 3.692308e-02 1.300000e+03**

**# dummy1QV9\_2 [1] 1.757903e-01 3.253662e-01 2.289900e-01 1.835004e-01 8.635312e-02 1.297000e+03**

**# dummy1QV9\_3 [1] 2.962104e-01 4.563032e-01 1.678268e-01 5.955143e-02 2.010828e-02 1.293000e+03**

**# dummy1QV9\_4 [1] 2.935709e-01 4.182804e-01 1.797057e-01 8.288149e-02 2.556158e-02 1.291000e+03**

**# dummy1QV9\_5 [1] 3.180760e-01 4.181536e-01 1.931730e-01 5.275407e-02 1.784329e-02 1.289000e+03**

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# SURVEY 2

# Q31 The following statements relate to your views on the use of scientific research data. Tell us how much you agree with each statement. agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

# 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure

dummy2Q31\_1 = surveyTwo$Q31\_1 # Q31\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science.

dummy2Q31\_2 = surveyTwo$Q31\_2 # Q31\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.

dummy2Q31\_3 = surveyTwo$Q31\_3 # Q31\_3 Data may be misinterpreted due to complexity of the data.

dummy2Q31\_4 = surveyTwo$Q31\_4 # Q31\_4 Data may be misinterpreted due to poor quality of the data.

dummy2Q31\_5 = surveyTwo$Q31\_5 # Q31\_5 Data may be used in other ways than intended.

dummy2Q31\_1

# S2\_ Q31\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science

# 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

dummyQ = surveyTwo$Q31\_1; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN2) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 1) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 2 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 4 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 5 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy2QV31\_1 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 15 52 ( 91 + 18 ) 238 234 367 bigSumDummy = 1015 bigSumDummy-NNA = 648

# 0.02315 0.08025 ( 0.1404 + 0.02778 ) 0.3673 0.3611

dummy2QV31\_1

# S2\_ Q31\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.

# 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

dummyQ = surveyTwo$Q31\_2; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN2) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 1) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 2 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 4 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 5 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy2QV31\_2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 70 92 ( 133 + 21 ) 203 126 370 bigSumDummy = 1015 bigSumDummy-NNA = 645

# 0.1085 0.1426 ( 0.2062 + 0.03256 ) 0.3147 0.1953

#

dummy2QV31\_2

# S2\_ Q31\_3 Data may be misinterpreted due to complexity of the data.

# 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

dummyQ = surveyTwo$Q31\_3; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN2) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 1) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 2 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 4 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 5 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy2QV31\_3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 16 28 ( 70 + 20 ) 269 241 371 bigSumDummy = 1015 bigSumDummy-NNA = 644

# 0.02484 0.04348 ( 0.1087 + 0.03106 ) 0.4177 0.3742

#

dummy2QV31\_3

# S2\_ Q31\_4 Data may be misinterpreted due to poor quality of the data.

# 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

dummyQ = surveyTwo$Q31\_4; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN2) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 1) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 2 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 4 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 5 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy2QV31\_4 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 10 25 ( 82 + 18 ) 243 268 369 bigSumDummy = 1015 bigSumDummy-NNA = 646

# 0.01548 0.0387 ( 0.1269 + 0.02786 ) 0.3762 0.4149

#

dummy2QV31\_4

# S2\_ Q31\_5 Data may be used in other ways than intended.

# 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

dummyQ = surveyTwo$Q31\_5; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN2) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 1) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 2 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 4 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 5 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy2QV31\_5 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 7 18 ( 90 + 29 ) 228 272 371 bigSumDummy = 1015 bigSumDummy-NNA = 644

# 0.01087 0.02795 ( 0.1398 + 0.04503 ) 0.354 0.4224

#

dummy2QV31\_5

dummy2QV31\_1\_REV= dummy2QV31\_1

dummy2QV31\_1\_REV[1]= dummy2QV31\_1[5]; dummy2QV31\_1\_REV[2]= dummy2QV31\_1[4]

dummy2QV31\_1\_REV[4]= dummy2QV31\_1[2]; dummy2QV31\_1\_REV[5]= dummy2QV31\_1[1]

dummy2QV31\_2\_REV= dummy2QV31\_2

dummy2QV31\_2\_REV[1]= dummy2QV31\_2[5]; dummy2QV31\_2\_REV[2]= dummy2QV31\_2[4]

dummy2QV31\_2\_REV[4]= dummy2QV31\_2[2]; dummy2QV31\_2\_REV[5]= dummy2QV31\_2[1]

dummy2QV31\_3\_REV= dummy2QV31\_3

dummy2QV31\_3\_REV[1]= dummy2QV31\_3[5]; dummy2QV31\_3\_REV[2]= dummy2QV31\_3[4]

dummy2QV31\_3\_REV[4]= dummy2QV31\_3[2]; dummy2QV31\_3\_REV[5]= dummy2QV31\_3[1]

dummy2QV31\_4\_REV= dummy2QV31\_4

dummy2QV31\_4\_REV[1]= dummy2QV31\_4[5]; dummy2QV31\_4\_REV[2]= dummy2QV31\_4[4]

dummy2QV31\_4\_REV[4]= dummy2QV31\_4[2]; dummy2QV31\_4\_REV[5]= dummy2QV31\_4[1]

dummy2QV31\_5\_REV= dummy2QV31\_5

dummy2QV31\_5\_REV[1]= dummy2QV31\_5[5]; dummy2QV31\_5\_REV[2]= dummy2QV31\_5[4]

dummy2QV31\_5\_REV[4]= dummy2QV31\_5[2]; dummy2QV31\_5\_REV[5]= dummy2QV31\_5[1]

dummy2QV31\_1

dummy2QV31\_2

dummy2QV31\_3

dummy2QV31\_4

dummy2QV31\_5

**# dummy2QV31\_1 [1] 0.02314815 0.08024691 0.16820988 0.36728395 0.36111111 648.00000000**

**# dummy2QV31\_2 [1] 0.1085271 0.1426357 0.2387597 0.3147287 0.1953488 645.0000000**

**# dummy2QV31\_3 [1] 0.02484472 0.04347826 0.13975155 0.41770186 0.37422360 644.00000000**

**# dummy2QV31\_4 [1] 0.01547988 0.03869969 0.15479876 0.37616099 0.41486068 646.00000000**

**# dummy2QV31\_5 [1] 0.01086957 0.02795031 0.18478261 0.35403727 0.42236025 644.00000000**

dummy2QV31\_1\_REV

dummy2QV31\_2\_REV

dummy2QV31\_3\_REV

dummy2QV31\_4\_REV

dummy2QV31\_5\_REV

**# dummy2QV31\_1\_REV [1] 0.36111111 0.36728395 0.16820988 0.08024691 0.02314815 648.00000000**

**# dummy2QV31\_2\_REV [1] 0.1953488 0.3147287 0.2387597 0.1426357 0.1085271 645.0000000**

**# dummy2QV31\_3\_REV [1] 0.37422360 0.41770186 0.13975155 0.04347826 0.02484472 644.00000000**

**# dummy2QV31\_4\_REV [1] 0.41486068 0.37616099 0.15479876 0.03869969 0.01547988 646.00000000**

**# dummy2QV31\_5\_REV [1] 0.42236025 0.35403727 0.18478261 0.02795031 0.01086957 644.00000000**

# ------------------------------------------------------------------------------------------------------------------------------------

# SURVEY 3

# Q20 The following statements relate to your views on the use of scientific research data. Tell us how much you agree with each statement.

# Disagree strongly / Disagree somewhat / Neither agree nor disagree / Agree somewhat / Agree strongly / Not sure

# 1 = Disagree strongly, 2 = Disagree somewhat, 3 = Neither agree nor disagree, 4 = Agree somewhat, 5 = Agree strongly, 6 = Not Sure

dummy3Q20\_1 = surveyThree$Q20\_1 # Q20\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science.

dummy3Q20\_2 = surveyThree$Q20\_2 # Q20\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.

dummy3Q20\_3 = surveyThree$Q20\_3 # Q20\_3 Data may be misinterpreted due to complexity of the data.

dummy3Q20\_4 = surveyThree$Q20\_4 # Q20\_4 Data may be misinterpreted due to poor quality of the data.

dummy3Q20\_5 = surveyThree$Q20\_5 # Q20\_5 Data may be used in other ways than intended.

dummy3Q20\_1

.

# S3\_ Q20\_1 Lack of access to data generated by other researchers or institutions is a major impediment to progress in science

dummyQ = surveyThree$Q20\_1; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

#1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN3) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 5) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 4 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 2 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 1 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy3QV20\_1 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 613 712 ( 213 + 62 ) 118 59 407 bigSumDummy = 2184 bigSumDummy-NNA = 1777

# 0.345 0.4007 ( 0.1199 + 0.03489 ) 0.0664 0.0332

dummy3QV20\_1

# S3\_ Q20\_2 Lack of access to data generated by other researchers or institutions has restricted my ability to answer scientific questions.

dummyQ = surveyThree$Q20\_2; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

#1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN3) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 5) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 4 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 2 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 1 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy3QV20\_2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 316 578 ( 389 + 84 ) 249 154 414 bigSumDummy = 2184 bigSumDummy-NNA = 1770

# 0.1785 0.3266 ( 0.2198 + 0.04746 ) 0.1407 0.08701

dummy3QV20\_2

# S3\_ Q20\_3 Data may be misinterpreted due to complexity of the data

dummyQ = surveyThree$Q20\_3; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

#1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN3) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 5) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 4 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 2 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 1 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy3QV20\_3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 656 736 ( 203 + 61 ) 78 35 415 bigSumDummy = 2184 bigSumDummy-NNA = 1769

# 0.3708 0.4161 ( 0.1148 + 0.03448 ) 0.04409 0.01979

dummy3QV20\_3

# S3\_ Q20\_4 Data may be misinterpreted due to poor quality of the data.

dummyQ = surveyThree$Q20\_4; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

#1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN3) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 5) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 4 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 2 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 1 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy3QV20\_4 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 662 724 ( 198 + 72 ) 73 35 420 bigSumDummy = 2184 bigSumDummy-NNA = 1764

# 0.3753 0.4104 ( 0.1122 + 0.04082 ) 0.04138 0.01984

dummy3QV20\_4

# S3\_ Q20\_5 Data may be used in other ways than intended

dummyQ = surveyThree$Q20\_5; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

#1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

NStrAgree=0; NAgree=0; NNeith=0; NDis=0; NStrDis=0; NNotSure=0; NNA=0

for (zz in (1:bigN3) ) { # print(dummyQ[zz])

if (as.integer(dummyQ[zz]) == 5) { NStrAgree = 1+ NStrAgree }

if (as.integer(dummyQ[zz]) == 4 ) { NAgree = 1+ NAgree }

if (as.integer(dummyQ[zz]) == 3 ) { NNeith = 1+ NNeith }

if (as.integer(dummyQ[zz]) == 2 ) { NDis = 1+ NDis }

if (as.integer(dummyQ[zz]) == 1 ) { NStrDis = 1+ NStrDis }

if (as.integer(dummyQ[zz]) == 6 ) { NNotSure = 1+ NNotSure }

if (as.integer(dummyQ[zz]) ==999 ) { NNA = 1+ NNA } }

bigSumDummy = NStrAgree+NAgree+NNeith+NDis+NStrDis+NNotSure+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NStrAgree,' ',NAgree,' (',NNeith,'+',NNotSure,') ', NDis,' ', NStrDis,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NStrAgree/zzz,digits=4),' ',format(NAgree/zzz,digits=4),' (',format(NNeith/zzz,digits=4),'+',format(NNotSure/zzz,digits=4),') ',format(NDis/zzz,digits=4),' ',format(NStrDis/zzz,digits=4)))

zzzz=(NNeith+NNotSure)/zzz

dummy3QV20\_5 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 677 653 ( 236 + 106 ) 66 27 419 bigSumDummy = 2184 bigSumDummy-NNA = 1765

# 0.3836 0.37 ( 0.1337 + 0.06006 ) 0.03739 0.0153

dummy3QV20\_5

dummy3QV20\_1

dummy3QV20\_2

dummy3QV20\_3

dummy3QV20\_4

dummy3QV20\_5

**# dummy3QV20\_1 [1] 3.449634e-01 4.006753e-01 1.547552e-01 6.640405e-02 3.320203e-02 1.777000e+03**

**# dummy3QV20\_2 [1] 1.785311e-01 3.265537e-01 2.672316e-01 1.406780e-01 8.700565e-02 1.770000e+03**

**# dummy3QV20\_3 [1] 3.708310e-01 4.160543e-01 1.492369e-01 4.409271e-02 1.978519e-02 1.769000e+03**

**# dummy3QV20\_4 [1] 3.752834e-01 4.104308e-01 1.530612e-01 4.138322e-02 1.984127e-02 1.764000e+03**

**# dummy3QV20\_5 [1] 3.835694e-01 3.699717e-01 1.937677e-01 3.739377e-02 1.529745e-02 1.765000e+03**

zz = dummy3QV20\_1[1]+ dummy3QV20\_1[2];zz

zz = dummy3QV20\_2[1]+ dummy3QV20\_2[2];zz

zz = dummy3QV20\_3[1]+ dummy3QV20\_3[2];zz

zz = dummy3QV20\_4[1]+ dummy3QV20\_4[2];zz

zz = dummy3QV20\_5[1]+ dummy3QV20\_5[2];zz

**# zz = dummy3QV20\_1[1]+ dummy3QV20\_1[2];zz [1] 0.7456387 # these are matches to Plos1 paper3, Table 8**

**# zz = dummy3QV20\_2[1]+ dummy3QV20\_2[2];zz [1] 0.5050847**

**# zz = dummy3QV20\_3[1]+ dummy3QV20\_3[2];zz [1] 0.7868852**

**# zz = dummy3QV20\_4[1]+ dummy3QV20\_4[2];zz [1] 0.7857143**

**# zz = dummy3QV20\_5[1]+ dummy3QV20\_5[2];zz [1] 0.7535411**

# ---------- plotting responses ---------------------------------------------------------------------------

message1 = 'Survey 123, Q09\_31\_20'

dev.new()

# dpi=2400; ppp=paste(message1,'.png'); png(ppp, width=6\*dpi, height = 6\* dpi, res = dpi) # 2400 returns a 500kb file, HighQuality

x1 = -10; x2 = 100; y1 = 0; y2 = 21; plot(y1~x1, xlab='pct of respondents', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message1); dy=1; y1=0.5; x1=0; x1Text=-12; x1NotAsked = 6; cexText=0.7; cexPct=0.6

# cexText=0.6; cexPct=0.4

dummyQV = matrix( data=c( rep(0,6), rep(0,6), rep(0,6)), nr=3, nc=6); dummyQV

itemX = paste('Lack of access to data generated by others… is a major impediment to progress in science')

dummyQV[3,]=dummy3QV20\_1; dummyQV[2,]=dummy2QV31\_1\_REV; dummyQV[1,]=dummy1QV9\_1; dummyQV # data are plotted left to right as they appear in the vectors

for (zz in 1:3) { xt1 = x1; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,1]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= RobinEggBlue) # choice agree strongly

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,2]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) # choice agree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,3]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) # choice neither

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,4]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Sunglow) # choice disagree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,5]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Scarlet) } # choice disagree strongly

text(-8, y1+0.6,"survey 1", cex=cexText, col=Violet ); text(-8, y1+1.6,"survey 2", cex=cexText, col=Violet ); text(-8, y1+2.6,"survey 3", cex= cexText, col=Violet )

text(-10, y1+3.4,itemX, cex=(cexText), col=Black, adj=0 )

y1=y1+4

itemX = paste('Lack of access to data generated by others… has restricted my ability to answer scientific questions')

dummyQV[3,]=dummy3QV20\_2; dummyQV[2,]=dummy2QV31\_2\_REV; dummyQV[1,]=dummy1QV9\_2; dummyQV # data are plotted left to right as they appear in the vectors

for (zz in 1:3) { xt1 = x1; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,1]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= RobinEggBlue) # choice agree strongly

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,2]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) # choice agree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,3]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) # choice neither

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,4]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Sunglow) # choice disagree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,5]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Scarlet) } # choice disagree strongly

text(-8, y1+0.6,"survey 1", cex=cexText, col=Violet ); text(-8, y1+1.6,"survey 2", cex=cexText, col=Violet ); text(-8, y1+2.6,"survey 3", cex= cexText, col=Violet )

text(-10, y1+3.4,itemX, cex=(cexText), col=Black, adj=0 )

y1=y1+4

itemX = paste('Data may be misinterpreted due to complexity of the data')

dummyQV[3,]=dummy3QV20\_3; dummyQV[2,]=dummy2QV31\_3\_REV; dummyQV[1,]=dummy1QV9\_3; dummyQV # data are plotted left to right as they appear in the vectors

for (zz in 1:3) { xt1 = x1; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,1]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= RobinEggBlue) # choice agree strongly

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,2]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) # choice agree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,3]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) # choice neither

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,4]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Sunglow) # choice disagree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,5]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Scarlet) } # choice disagree strongly

text(-8, y1+0.6,"survey 1", cex=cexText, col=Violet ); text(-8, y1+1.6,"survey 2", cex=cexText, col=Violet ); text(-8, y1+2.6,"survey 3", cex= cexText, col=Violet )

text(-10, y1+3.4,itemX, cex=(cexText), col=Black, adj=0 )

y1=y1+4

itemX = paste('Data may be misinterpreted due to poor quality of the data')

dummyQV[3,]=dummy3QV20\_4; dummyQV[2,]=dummy2QV31\_4\_REV; dummyQV[1,]=dummy1QV9\_4; dummyQV # data are plotted left to right as they appear in the vectors

for (zz in 1:3) { xt1 = x1; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,1]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= RobinEggBlue) # choice agree strongly

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,2]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) # choice agree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,3]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) # choice neither

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,4]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Sunglow) # choice disagree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,5]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Scarlet) } # choice disagree strongly

text(-8, y1+0.6,"survey 1", cex=cexText, col=Violet ); text(-8, y1+1.6,"survey 2", cex=cexText, col=Violet ); text(-8, y1+2.6,"survey 3", cex= cexText, col=Violet )

text(-10, y1+3.4,itemX, cex=(cexText), col=Black, adj=0 )

y1=y1+4

itemX = paste('Data may be used in other ways than intended')

dummyQV[3,]=dummy3QV20\_5; dummyQV[2,]=dummy2QV31\_5\_REV; dummyQV[1,]=dummy1QV9\_5; dummyQV # data are plotted left to right as they appear in the vectors

for (zz in 1:3) { xt1 = x1; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,1]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= RobinEggBlue) # choice agree strongly

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,2]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) # choice agree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,3]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) # choice neither

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,4]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Sunglow) # choice disagree

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,5]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= Scarlet) } # choice disagree strongly

text(-8, y1+0.6,"survey 1", cex=cexText, col=Violet ); text(-8, y1+1.6,"survey 2", cex=cexText, col=Violet ); text(-8, y1+2.6,"survey 3", cex= cexText, col=Violet )

text(-10, y1+3.4,itemX, cex=(cexText), col=Black, adj=0 )

dx = 3; dy=0.5;x1 = 0;y1=y2 # manual legend

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+11, y1+dy/2,"agree strongly", cex= cexText); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+7, y1+dy/2,"agree", cex= cexText); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+8, y1+dy/2,"neither", cex= cexText); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Sunglow); text(x1+8, y1+dy/2,"disagree", cex= cexText); x1=x1+19

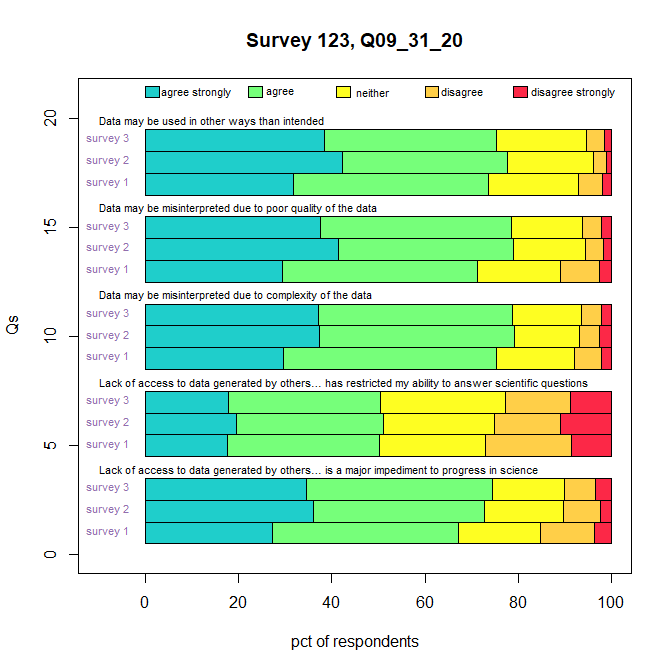
rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+13, y1+dy/2,"disagree strongly", cex= cexText); x1=x1+19

# zzz=paste('n=',as.character(dummyQV[1,6])); text(-8,0.8,zzz, cex=0.8, col=Violet)

# zzz=paste('n=',as.character(dummyQV[2,6])); text(-8,1.8,zzz, cex=0.8, col=Violet)

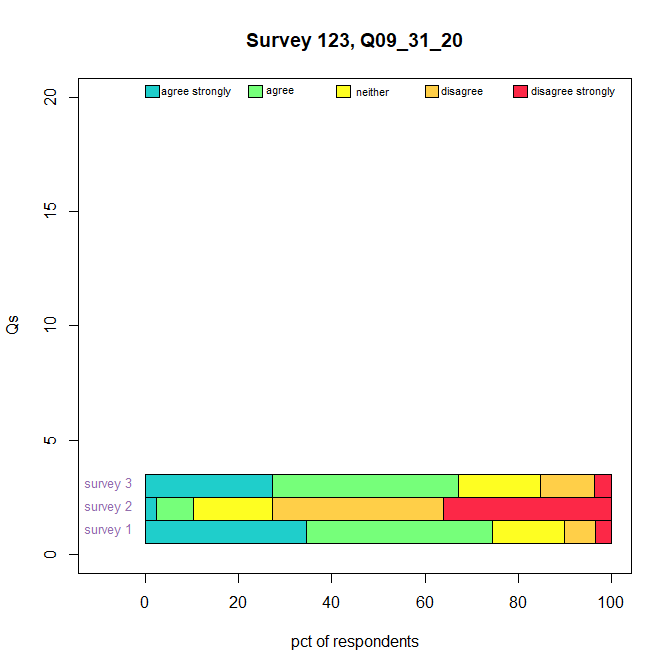
# zzz=paste('n=',as.character(dummyQV[3,6])); text(-8,2.8,zzz, cex=0.8, col=Violet)

#dev.off()



# ------------------------------------------------------------------------------------------------------------------------------------

Note SURVEY 2 was revesed:



# Q09\_31\_20 --------- END ---------------------