# R DataOne survey analyses 22Aug2019

# from R DataOne survey analyses 01May2019

Black="#000000"

White="#ffffff"

NavyBlue="#1974d2"

Cerulean="#1dacd6"

RobinEggBlue="#1fcecb"

CaribbeanGreen="#00CC99"

Fern="#71bc78"

ScreaminGreen="#76ff7a"

ElectricLime="#ceff1d"

LaserLemon="#fefe22"

Sunglow="#ffcf48"

MangoTango="#ff8243"

PinkFlamingo="#fc74fd"

Scarlet="#fc2847"

Mahogany="#cd4a4c"

Blue="#1f75fe"

HotMagenta="#ff1dce"

Green="#1cac78"

Violet="#926eae"

PaleViolet="#d4a9f2"

ScreaminGreen="#76ff7a"

getwd()

setwd('E:') # note forward slashes

setwd('/aaa desktop/2019 July data') # note forward slashes

# setwd('/2019 July data') # LAPTOP COMMAND note forward slashes

setwd('d:') # note forward slashes

setwd('/2019 July data') # LAPTOP COMMAND note forward slashes

list.files()

surveyOne = read.csv('first\_scientists\_survey.csv', header = TRUE, stringsAsFactors = FALSE)

surveyTwo = read.csv('second\_scientists\_survey.csv', header = TRUE, stringsAsFactors = FALSE)

surveyThree = read.csv('third\_scientists\_survey.csv', header = TRUE, stringsAsFactors = FALSE)

bigN1=length(surveyOne[,1])

bigN2=length(surveyTwo[,1])

bigN3=length(surveyThree[,1])

bigN1

bigN2

bigN3

**# bigN1 [1] 1329 matches May2019 output**

**# bigN2 [1] 1015**

**# bigN3 [1] 2184**

surveyOne$Q20

surveyTwo$Q6

surveyThree$Q5

# work sector analyses ---20 Aug2019 ----------------------------------- START -----------------------------

|  |  |  |  |
| --- | --- | --- | --- |
| 03\_04\_03 | Q3 Which one of the following best describes your primary subject discipline?  naturalScience: Agriculture, Biology, Ecology, Environmental science, Medicine  physicalScience: Atmospheric science, Engineering, Forestry, Geology, Hydrology, Mathematics, Physical sciences  socialScience: Business, Education, Law, Psychology, Social sciences  informationScience: Computer science, Information science  other: Other  # Geography requires additional coding for the extended text field  # Other requires additional coding for the extended text field  Q3\_text | Q4 Which one of the following best describes your primary subject discipline?  naturalScience: 1 = Agriculture and Natural Resources, 3 = Biology, 6 = Ecology, 9 = Environmental science, 14 = Medicine,  physicalScience: 2 = Atmospheric science, 8 = Engineering, 10 = Geology, 11 = Hydrology, 15 = Physical sciences, 19 = Ocean science  socialScience: 4 = Business, 7 = Education, 13 = Law, 16 = Psychology, 17 = Social sciences,  informationScience: 5 = Computer science, 12 = Information science,  other: 18 = Other  # Other requires additional coding for the extended text field  Q4\_TEXT Other text | Q3 Which one of the following best describes your primary subject discipline?  naturalScience: 1 = Agriculture and Natural Resources, 3 = Biology, 6 = Ecology, 9 = Environmental science, 14 = Medicine,  physicalScience: 2 = Atmospheric science, 8 = Engineering, 10 = Geology, 11 = Hydrology, 15 = Physical sciences, 19 = Ocean science, and 20 = Planetary science  socialScience: 4 = Business, 7 = Education, 13 = Law, 16 = Psychology, 17 = Social sciences,  informationScience: 5 = Computer science, 12 = Information science,  other: 18 = Other  # Other requires additional coding for the extended text field  Q3\_Other\_text |

# Survey 1:

# naturalScience: Agriculture, Biology, Ecology, Environmental science, Medicine

# physicalScience: Atmospheric science, Engineering, Forestry, Geology, Hydrology, Mathematics, Physical sciences

# socialScience: Business, Education, Law, Psychology, Social sciences

# informationScience: Computer science, Information science

# other: Other

# Geography requires additional coding for the extended text field

# Other requires additional coding for the extended text field

# Survey 2:

# naturalScience: 1 = Agriculture and Natural Resources, 3 = Biology, 6 = Ecology, 9 = Environmental science, 14 = Medicine,

# physicalScience: 2 = Atmospheric science, 8 = Engineering, 10 = Geology, 11 = Hydrology, 15 = Physical sciences, 19 Ocean science

# socialScience: 4 = Business, 7 = Education, 13 = Law, 16 = Psychology, 17 = Social sciences,

# informationScience: 5 = Computer science, 12 = Information science,

# other: 18 = Other

# Other requires additional coding for the extended text field

# Survey 3:

# naturalScience: 1 = Agriculture and Natural Resources, 3 = Biology, 6 = Ecology, 9 = Environmental science, 14 = Medicine,

# physicalScience: 2 = Atmospheric science, 8 = Engineering, 10 = Geology, 11 = Hydrology, 15 = Physical sciences, 19 = Ocean science, and 20 = Planetary science

# socialScience: 4 = Business, 7 = Education, 13 = Law, 16 = Psychology, 17 = Social sciences,

# informationScience: 5 = Computer science, 12 = Information science,

# other: 18 = Other

# Other requires additional coding for the extended text field

# myScience = natural, physical, social, information, other, none

#---- disciplinary code analyses SURVEY 1 --------------------------------------------START ----------------------------------

surveyOne$Q3

surveyOne$Q3\_text

# testing code for finding strings in responses

for (zz in (1:bigN1) ) {

if (surveyOne$Q3\_text[zz] == 'methodology/statistics') { print(' the entire text entry is: methodology/statistics') }

if ('GIS' %in% surveyOne$Q3\_text[zz] ) { print(' the entire text entry is IN: GIS ') }

if (surveyOne$Q3\_text[zz] == 'GIS' ) { print(' the entire text entry equals: GIS ') }

if( grepl('GIS', surveyOne$Q3\_text[zz]) ) { print(' grepl() found GIS ') }

if( grepl('Wildlife & Animal Sciences', surveyOne$Q3\_text[zz]) ) { print(' grepl() found Wildlife & Animal Sciences') }

# if( grepl('a', surveyOne$Q3\_text[zz]) ) { print(' grepl() found letter a ') }

}

# below are the 5 new over-arching categories for SURVEY 1

naturalScience1 = c('Agriculture', 'Biology', 'Ecology', 'Environmental science', 'Forestry', 'Medicine')

physicalScience1 = c('Atmospheric science', 'Engineering', 'Geology', 'Hydrology', 'Mathematics', 'Physical sciences')

socialScience1 = c('Business', 'Education', 'Law', 'Psychology', 'Social sciences')

informationScience1 = c('Computer science', 'Information science')

other1 = c('Other')

# below are actual extended text entries for respondents who selected Other parsed into the above 5 new over-arching categories

naturalOther1 = c('Agricultural systems','Animal Sciences','Biogeochemistry','Biogeography','Bioinformatics and Computational Bioloy','Biological Anthropology','Entomology','entomology','Fisheries','Food Science','Food Science and Nutrition','Life Sciences','natural resources','natural resources managament','Physiology','remote sensing','Soil Science','Wildlife & Animal Sciences')

physicalOther1 = c('analytical chemistry','Astronomy & Planetary Science','Astrophysics','Biochemistry','Biochemistry','biochemistry','Biochemistry','Chemistry','chemistry','Chemistry','combination of environmental science and engineering and water water resources management','Earth Observation & Geosciences','Earth Sciences','geomorphology','Glaciology','marine science','marine science','marine sciences','Materials','methodology/statistics','natural products chemistry','oceanography, marine geology, biogeochemistry','optimization','Paleoceanography','Planetary Sciences','Quaternary Science','Statistical science','Statistics','volcanology')

socialOther1 = c('Anthropology','anthropology','Anthropology/Archaeology','Anthropology/neurosceince','Archaeology','Archaeology','archaeology','Audiology and Speech Pathology','behavioural Science','Communication/Mass Communication','Consumer Behavior','Consumer Economics','Criminology & Criminal Justice','Ecological Economics','economics','Economics','Economics','Health: Preventing lifestyle diseases','Historical Ecology, or Marine Environmental History','history of science','Human dimensions of natural resources','Interdisciplinary Lingustics','language and linguistics','Library Science','linguistics','Linguistics','linguistics','lingusitics','Natural disaster risk','Physical Anthropology','policy analysis','Psychiatry research','Public Health','social work','Social Work','sport sciences','voice science')

otherOther1 = c('Administration','Applied Science','humanities','Imaging')

# Geography is problematic and is handled below depending on if the Q3\_text entry appears to be natural or social science, and then the response is parsed into the above 5 new over-arching categories

# natural, physical, social, information, other, none

# SURVEY 1 analysis code

careerS1 = c(rep('none',bigN1)); careerS1

naturalScience1N=0; physicalScience1N=0; socialScience1N=0; informationScience1N=0; other1N=0; NA1N=0

for (zz in (1:bigN1) ) {

if (surveyOne$Q3[zz] %in% naturalScience1) { naturalScience1N=naturalScience1N+1; careerS1[zz]='natural' }

if (surveyOne$Q3[zz] %in% physicalScience1) { physicalScience1N=physicalScience1N+1; careerS1[zz]='physical' }

if (surveyOne$Q3[zz] %in% socialScience1) { socialScience1N=socialScience1N+1; careerS1[zz]='social' }

if (surveyOne$Q3[zz] %in% informationScience1) {informationScience1N=informationScience1N+1; careerS1[zz]='information' }

if (surveyOne$Q3[zz] == ' ') { NA1N = 1+ NA1N }

if (surveyOne$Q3[zz] == 'Geography') { # Geography is split and recoded

if (surveyOne$Q3\_text[zz] == 'Geospatial Surveying Engineering' ) { naturalScience1N=naturalScience1N+1; careerS1[zz]='natural' }

if (surveyOne$Q3\_text[zz] == 'Geography and Geomorphology' ) { naturalScience1N=naturalScience1N+1; careerS1[zz]='natural' }

if( grepl('GIS', surveyOne$Q3\_text[zz]) ) { naturalScience1N=naturalScience1N+1; careerS1[zz]='natural' } # should find 2

if (surveyOne$Q3\_text[zz] == 'Land surfaces' ) { naturalScience1N=naturalScience1N+1; careerS1[zz]='natural' }

if (surveyOne$Q3\_text[zz] == 'Geography' ) { socialScience1N=socialScience1N+1; careerS1[zz]='social'}

}

if (surveyOne$Q3[zz] == 'Other' ) {

if (surveyOne$Q3\_text[zz] %in% naturalOther1) { naturalScience1N=naturalScience1N+1; careerS1[zz]='natural' }

if (surveyOne$Q3\_text[zz] %in% physicalOther1) { physicalScience1N=physicalScience1N+1; careerS1[zz]='physical' }

if (surveyOne$Q3\_text[zz] %in% socialOther1) { socialScience1N=socialScience1N+1; careerS1[zz]='social' }

if (surveyOne$Q3\_text[zz] %in% otherOther1) { other1N= other1N+1; careerS1[zz]='other' }

}

}

careerS1

bigSum1 =naturalScience1N+physicalScience1N+socialScience1N+informationScience1N+other1N

bigSumAll =naturalScience1N+physicalScience1N+socialScience1N+informationScience1N+other1N+NA1N

bigSum1; bigSumAll

print(' naturalScience1N physicalScience1 socialScience1 informationScience1N other1N NA1N')

print(paste(naturalScience1N,' ',physicalScience1N,' ',socialScience1N,' ',informationScience1N,' ',other1N,' ',NA1N))

**# [1] 1317 [1] 1329**

**# 695 343 225 50 4 12"**

#---- disciplinary code analyses SURVEY 2 --------------------------------------------START ----------------------------------

surveyTwo$Q4

surveyTwo$Q4\_TEXT

# below are the 5 new over-arching categories for SURVEY 2

naturalScience2 = c(1, 3, 6, 9, 14) # 1 = Agriculture and Natural Resources, 3 = Biology, 6 = Ecology, 9 = Environmental science, 14 = Medicine

physicalScience2 = c(2, 8, 10, 11, 15, 19) # 2 = Atmospheric science, 8 = Engineering, 10 = Geology, 11 = Hydrology, 15 = Physical sciences

# note, in the \*.csv file for survey2, there is a mystery entry in Q4 of "19" with no entry on Q4\_TEXT. What is category 19?

# the determination of category "19 = ocean science" was established for this analysis based upon close examination of Survey 3, for which "19 = ocean science"

# our interpretation is that a silent change was made in the original survey 2 \*.sav file in the entry for Q4 for which responses of Q4: 18 = Other and then for Q4\_TEXT: "ocean science" and synonyms, were put in a new category 19 (Q4 was edited) and then the Q4\_TEXT fields were emptied

socialScience2 = c(4, 7, 13, 16, 17) # 4 = Business, 7 = Education, 13 = Law, 16 = Psychology, 17 = Social sciences

informationScience2 = c(5, 12) # 5 = Computer science, 12 = Information science

other2 = c(18) # 18 = Other

# Other requires additional coding for the extended text field

naturalOther2 = c('All health sciences; all sciences','biogeochemistry','biogeosciences','Biomedical Sciences','citizen science','Forestry', 'Geographic Information System','Imaging Science/Remote Sensing','Kinesiology','molecular genetics','Remote Sensing','Remote sensing','Vegetation Modeling')

otherOther2 = c(' ','Infrastructure creation','Interdisciplinary','quantitative methods')

physicalOther2 = c('Biotechnology','Computational biology','Earth & Ocean Sciences','Earth System Science','Geomatics','geomprhology','ground source heating, cooling & DHW','Mathematics','mathematics','Ocean Science', 'oceanography','statistics','Statistics')

socialOther2 = c('Anthropological archaeology','anthropology','Applied Ethics','Archaeology','archaeology','Architecture and Planning','cultural theory','Epidemiology','Geography','geography','Media and Entertainment','Rehabilitation sciences','Survey Research')

# SURVEY 2 analysis code

careerS2 = c(rep('none',bigN2)); careerS2

naturalScience2N=0; physicalScience2N=0; socialScience2N=0; informationScience2N=0; other2N=0; NA2N=0

dummyQ = surveyTwo$Q4; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummyQText = surveyTwo$Q4\_TEXT

for (zz in (1:bigN2) ) {

if (dummyQ[zz] %in% naturalScience2) { naturalScience2N=naturalScience2N+1; careerS2[zz]='natural' }

if (dummyQ[zz] %in% physicalScience2) { physicalScience2N=physicalScience2N+1; careerS2[zz]='physical' }

if (dummyQ[zz] %in% socialScience2) { socialScience2N=socialScience2N+1; careerS2[zz]='social' }

if (dummyQ[zz] %in% informationScience2) {informationScience2N=informationScience2N+1; careerS2[zz]='information' }

if (as.integer(dummyQ[zz]) == 999 ) { NA2N = NA2N + 1}

if (as.integer(dummyQ[zz]) == 18 ) { print('got other')

if (dummyQText[zz] %in% naturalOther2) { naturalScience2N=naturalScience2N+1; careerS2[zz]='natural' }

if (dummyQText[zz] %in% physicalOther2) { physicalScience2N=physicalScience2N+1; careerS2[zz]='physical' }

if (dummyQText[zz] %in% socialOther2) { socialScience2N=socialScience2N+1; careerS2[zz]='social' }

if (dummyQText[zz] %in% otherOther2) { other2N= other2N+1; careerS2[zz]='other' }

}

}

careerS2

bigSum2 =naturalScience2N+physicalScience2N+socialScience2N+informationScience2N+other2N

bigSumAll =naturalScience2N+physicalScience2N+socialScience2N+informationScience2N+other2N+NA2N

bigSum2; bigSumAll

print(' naturalScience2N physicalScience2 socialScience2 informationScience2N other2N NA2N')

print(paste(naturalScience2N,' ',physicalScience2N,' ',socialScience2N,' ',informationScience2N,' ',other2N,' ',NA2N))

**#** **985 [1] 1015**

**# 500 240 124 117 4 30"**

#---- disciplinary code analyses SURVEY 2 -------------------------------------------- END ----------------------------------

#---- disciplinary code analyses SURVEY 3 --------------------------------------------START ----------------------------------

surveyThree$ Q3\_mod

surveyThree$Q3\_Other\_text

# below are the 5 new over-arching categories for SURVEY 3

naturalScience3 = c(1, 3, 6, 9, 14) # 1 = Agriculture and Natural Resources, 3 = Biology, 6 = Ecology, 9 = Environmental science, 14 = Medicine

physicalScience3 = c(2, 8, 10, 11, 15, 19, 20) # 2 = Atmospheric science, 8 = Engineering, 10 = Geology, 11 = Hydrology, 15 = Physical sciences, 20 = Planetary sciences

socialScience3 = c(4, 7, 13, 16, 17) # 4 = Business, 7 = Education, 13 = Law, 16 = Psychology, 17 = Social sciences

informationScience3 = c(5, 12) # 5 = Computer science, 12 = Information science

other3 = c(18) # 18 = Other

# Other requires additional coding for the extended text field

naturalOther3 = c('Animal health and infectious diseases','Bioinformatics','Dentistry','dentistry','Fisheries & Ecology','Fisheries Science','Forensic Science (Chemistry)','Health sciences','Health Sciences','Interdisciplinary agriculture, bioinformatics, and biochemistry','medical physics','Microbiology','Molecular diagnostics','natural resources','natural sciences','Nursing','Pharmacy','Remote Sensing','remote sensing','socio-ecological systems','Veterinary','Veterinary science','veterinary sciences','Virology and immunology')

otherOther3 = c('All of the above','Bioethics','Humanities','mix','Philosophy','Real-world Evidence','Research Data Management - all disciplines','unclear','Urban planner, Architect engineer, MSc in Agriculture / Beekeeping')

physicalOther3 = c('aerobiology','Applied Mathematics','Chemistry','climate','Climate','Climate change','Earth Science - Natural Hazards','Geomatics','material science','Mathematical Sciences','Mathematics','Ocean science','Paleoclimate','Paleoclimatology & Paleoceanography','Remote sensing appliaction to geoscience','renewable energy','Statistics','Urban drainage')

socialOther3 = c('Architecture','Built environment, our everyday place... none above cover that.','cognitive science and international law','Communication and Journalism','econometrics','Economics','economy','epidemiology','Geography','Health informatics','Health informatics and information management','History','history of physical sciences','Library Science','Linguistics','Management of foreign economic activity, international relations, geology, intellectual information systems, logistics','Public Health','public health','Religions, Philosophy and Culture, china studies','Religious Studies','Sociology','Sport','Sport Science','urbanist landscape')

# SURVEY 3 analysis code

careerS3 = c(rep('none',bigN3)); careerS3

naturalScience3N=0; physicalScience3N=0; socialScience3N=0; informationScience3N=0; other3N=0; NA3N=0

dummyQ = surveyThree$Q3\_mod; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQText = surveyThree$Q3\_Other\_text #; dummyQText = replace(dummyQText, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) {

if (dummyQ[zz] %in% naturalScience3) { naturalScience3N=naturalScience3N+1; careerS3[zz]='natural' }

if (dummyQ[zz] %in% physicalScience3) { physicalScience3N=physicalScience3N+1; careerS3[zz]='physical' }

if (dummyQ[zz] %in% socialScience3) { socialScience3N=socialScience3N+1; careerS3[zz]='social' }

if (dummyQ[zz] %in% informationScience3) {informationScience3N=informationScience3N+1; careerS3[zz]='information' }

if (as.integer(dummyQ[zz]) == 999 ) { NA3N = NA3N + 1}

if (as.integer(dummyQ[zz]) == 18 ) { print('got other')

if (dummyQText[zz] %in% naturalOther3) { naturalScience3N=naturalScience3N+1; careerS3[zz]='natural' }

if (dummyQText[zz] %in% physicalOther3) { physicalScience3N=physicalScience3N+1; careerS3[zz]='physical' }

if (dummyQText[zz] %in% socialOther3) { socialScience3N=socialScience3N+1; careerS3[zz]='social' }

if (dummyQText[zz] %in% otherOther3) { other3N= other3N+1; careerS3[zz]='other' }

if (dummyQText[zz] == '') { other3N= other3N + 1; careerS3[zz]='other'}

}

}

careerS3

bigSum3 =naturalScience3N+physicalScience3N+socialScience3N+informationScience3N+other3N

bigSumAll =naturalScience3N+physicalScience3N+socialScience3N+informationScience3N+other3N+NA3N

bigSum3; bigSumAll

print(' naturalScience3N physicalScience3 socialScience3 informationScience3N other3N NA3N')

print(paste(naturalScience3N,' ',physicalScience3N,' ',socialScience3N,' ',informationScience3N,' ',other3N,' ',NA3N))

**# 2098 [1] 2184**

**# 558 1156 52 89 243 86"**

#---- disciplinary code analyses SURVEY 3 -------------------------------------------- END ----------------------------------

#---- plotting disciplinary code analyses SURVEY 3 -------------------------------------------- START ----------------------------------

message1 = '03\_04\_03: career discipline'

careers1 = c(naturalScience1N/bigN1, physicalScience1N/bigN1, socialScience1N/bigN1, informationScience1N/bigN1, other1N/bigN1, NA1N/bigN1, bigN1); careers1

careers2 = c(naturalScience2N/bigN2, physicalScience2N/bigN2, socialScience2N/bigN2, informationScience2N/bigN2, other2N/bigN2, NA2N/bigN2, bigN2); careers2

careers3 = c(naturalScience3N/bigN3, physicalScience3N/bigN3, socialScience3N/bigN3, informationScience3N/bigN3, other3N/bigN3, NA3N/bigN3, bigN3); careers3

dev.new()

x1 = -10; x2 = 100; y1 = 0; y2 = 8; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message1, cex=0.8); dy=1; y1=0.5; x1=0

y1=y1+0

xt1 = x1; xt2 = xt1+100\*careers1[2]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= RobinEggBlue)

xt1 = xt2; xt2 = xt1+100\*careers1[1]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= ScreaminGreen)

xt1 = xt2; xt2 = xt1+100\*careers1[3]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= LaserLemon)

xt1 = xt2; xt2 = xt1+100\*careers1[4]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Sunglow)

xt1 = xt2; xt2 = xt1+100\*careers1[5]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Scarlet)

xt1 = xt2; xt2 = xt1+100\*careers1[6]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= White)

text(-8, y1+0.6,"Surv1", cex=1.2, col=Violet ); zzz=paste('n=',as.character(careers1[7])); text(-8,y1+0.2,zzz, cex=0.8, col=Violet)

y1=y1+1

xt1 = x1; xt2 = xt1+100\*careers2[2]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= RobinEggBlue)

xt1 = xt2; xt2 = xt1+100\*careers2[1]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= ScreaminGreen)

xt1 = xt2; xt2 = xt1+100\*careers2[3]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= LaserLemon)

xt1 = xt2; xt2 = xt1+100\*careers2[4]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Sunglow)

xt1 = xt2; xt2 = xt1+100\*careers2[5]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Scarlet)

xt1 = xt2; xt2 = xt1+100\*careers2[6]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= White)

text(-8, y1+0.6,"Surv2", cex=1.2, col=Violet ); zzz=paste('n=',as.character(careers2[7])); text(-8, y1+0.2,zzz, cex=0.8, col=Violet)

y1=y1+1

xt1 = x1; xt2 = xt1+100\*careers3[2]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= RobinEggBlue)

xt1 = xt2; xt2 = xt1+100\*careers3[1]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= ScreaminGreen)

xt1 = xt2; xt2 = xt1+100\*careers3[3]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= LaserLemon)

xt1 = xt2; xt2 = xt1+100\*careers3[4]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Sunglow)

xt1 = xt2; xt2 = xt1+100\*careers3[5]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Scarlet)

xt1 = xt2; xt2 = xt1+100\*careers3[6]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= White)

text(-8, y1+0.6,"Surv3", cex=1.2, col=Violet ); zzz=paste('n=',as.character(careers3[7])); text(-8, y1+0.2,zzz, cex=0.8, col=Violet)

zzzN1 = bigN1 - other1N - NA1N; zzzN1; zzzN2 = bigN2 - other2N - NA2N; zzzN2; zzzN3 = bigN3 - other3N - NA3N; zzzN3

careers1V = c(naturalScience1N/zzzN1, physicalScience1N/zzzN1, socialScience1N/zzzN1, informationScience1N/zzzN1, zzzN1); careers1V

careers2V = c(naturalScience2N/zzzN2, physicalScience2N/zzzN2, socialScience2N/zzzN2, informationScience2N/zzzN2, zzzN2); careers2V

careers3V = c(naturalScience3N/zzzN3, physicalScience3N/zzzN3, socialScience3N/zzzN3, informationScience3N/zzzN3, zzzN3); careers3V

y1=y1+1.5

xt1 = x1; xt2 = xt1+100\*careers1V[2]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= RobinEggBlue)

xt1 = xt2; xt2 = xt1+100\*careers1V[1]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= ScreaminGreen)

xt1 = xt2; xt2 = xt1+100\*careers1V[3]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= LaserLemon)

xt1 = xt2; xt2 = xt1+100\*careers1V[4]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Sunglow)

text(-8, y1+0.6,"Surv1", cex=1.2, col=Violet ); zzz=paste('n=',as.character(careers1V[5])); text(-8,y1+0.2,zzz, cex=0.8, col=Violet)

y1=y1+1

xt1 = x1; xt2 = xt1+100\*careers2V[2]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= RobinEggBlue)

xt1 = xt2; xt2 = xt1+100\*careers2V[1]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= ScreaminGreen)

xt1 = xt2; xt2 = xt1+100\*careers2V[3]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= LaserLemon)

xt1 = xt2; xt2 = xt1+100\*careers2V[4]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Sunglow)

text(-8, y1+0.6,"Surv2", cex=1.2, col=Violet ); zzz=paste('n=',as.character(careers2V[5])); text(-8, y1+0.2,zzz, cex=0.8, col=Violet)

y1=y1+1

xt1 = x1; xt2 = xt1+100\*careers3V[2]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= RobinEggBlue)

xt1 = xt2; xt2 = xt1+100\*careers3V[1]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= ScreaminGreen)

xt1 = xt2; xt2 = xt1+100\*careers3V[3]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= LaserLemon)

xt1 = xt2; xt2 = xt1+100\*careers3V[4]; yt2 = y1+dy; rect(xt1,y1,xt2,yt2, col= Sunglow)

text(-8, y1+0.6,"Surv3", cex=1.2, col=Violet ); zzz=paste('n=',as.character(careers3V[5])); text(-8, y1+0.2,zzz, cex=0.8, col=Violet)

dx = 3; dy=0.15;x1 = 0;y1=y2-0.5 # manual legend

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+9, y1+dy/2,"physical", cex=0.6); x1=x1+15

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+8, y1+dy/2,"natural", cex=0.6); x1=x1+15

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+8, y1+dy/2,"social", cex=0.6); x1=x1+15

rect(x1, y1, x1+dx, y1+dy, col= Sunglow); text(x1+10, y1+dy/2,"information", cex=0.6); x1=x1+18

rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+8, y1+dy/2,"other", cex=0.6 ); x1=x1+12

rect(x1, y1, x1+dx, y1+dy, col= White); text(x1+8, y1+dy/2,"none", cex=0.6 )

**# careers1**

**# [1] 5.229496e-01 2.580888e-01 1.693002e-01 3.762227e-02 3.009782e-03 9.029345e-03 1.329000e+03**

**# careers2**

**# [1] 4.926108e-01 2.364532e-01 1.221675e-01 1.152709e-01 3.940887e-03 2.955665e-02 1.015000e+03**

**# careers3**

**# [1] 2.554945e-01 5.293040e-01 2.380952e-02 4.075092e-02 1.112637e-01 3.937729e-02 2.184000e+03**

**# careers1V**

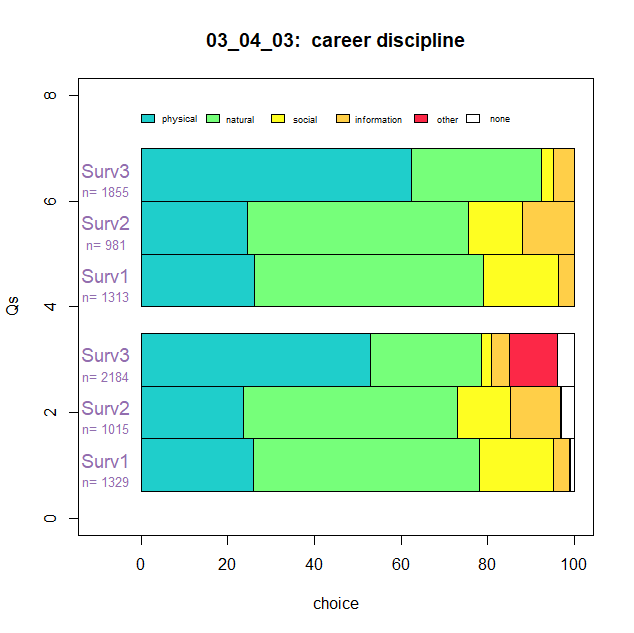
**#[1] 5.293222e-01 2.612338e-01 1.713633e-01 3.808073e-02 1.313000e+03**

**# careers2V**

**# [1] 0.5096840 0.2446483 0.1264016 0.1192661 981.0000000**

**# careers3V**

**# [1] 3.008086e-01 6.231806e-01 2.803235e-02 4.797844e-02 1.855000e+03**



#---- plotting disciplinary code analyses SURVEY 3 -------------------------------------------- END ----------------------------------

summary(as.factor(careerS1))

summary(as.factor(careerS2))

summary(as.factor(careerS3))

**# information natural none other physical social**

**# 50 695 12 4 343 225**

**# information natural none other physical social**

**117 500 30 4 240 124**

**# information natural none other physical social**

**89 558 86 243 1156 52**

surveyOne$careers = careerS1 # surveyOne$careers

surveyTwo$careers = careerS2 # surveyTwo$careers

surveyThree$careers = careerS3 # surveyThree$careers

surveyOneNatural = subset(surveyOne, subset = careers == 'natural' ); length(surveyOneNatural$careers)

surveyOnePhysical = subset(surveyOne, subset = careers == 'physical' ); length(surveyOnePhysical$careers)

surveyOneSocial = subset(surveyOne, subset = careers == 'social' ); length(surveyOneSocial$careers)

surveyOneInformation = subset(surveyOne, subset = careers == 'information' ); length(surveyOneInformation$careers)

surveyTwoNatural = subset(surveyTwo, subset = careers == 'natural' ); length(surveyTwoNatural$careers)

surveyTwoPhysical = subset(surveyTwo, subset = careers == 'physical' ); length(surveyTwoPhysical$careers)

surveyTwoSocial = subset(surveyTwo, subset = careers == 'social' ); length(surveyTwoSocial$careers)

surveyTwoInformation = subset(surveyTwo, subset = careers == 'information' ); length(surveyTwoInformation$careers)

surveyThreeNatural = subset(surveyThree, subset = careers == 'natural' ); length(surveyThreeNatural$careers)

surveyThreePhysical = subset(surveyThree, subset = careers == 'physical' ); length(surveyThreePhysical$careers)

surveyThreeSocial = subset(surveyThree, subset = careers == 'social' ); length(surveyThreeSocial$careers)

surveyThreeInformation = subset(surveyThree, subset = careers == 'information' ); length(surveyThreeInformation$careers)

surveyOneNatural

surveyTwoNatural

surveyThreeNatural

#DEMO of subsetted analyses

# 10\_32\_19 I would use other researchers' datasets if their datasets were easily accessible

surveyOneNatural$accessible = NA; dummyA = surveyOneNatural$accessible

dummyQ = surveyOneNatural$Q10\_1; length(dummyQ)

for (zz in (1:length(dummyQ))) {

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

if (dummyQ[zz] == 'agree somewhat' ) { dummyA[zz] = 2 }

if (dummyQ[zz] == 'neither agree nor disagree' ) { dummyA[zz] = 3 }

if (dummyQ[zz] == 'disagree somewhat' ) { dummyA[zz] = 4 }

if (dummyQ[zz] == 'disagree strongly' ) { dummyA[zz] = 5 }

}

mean(dummyA, na.rm=TRUE)

summary(as.factor(dummyA))

**# 1.796807**

**# 1 2 3 4 5 NA's**

**# 297 280 74 31 7 6**

surveyOneNatural$accessible=dummyA; dummyA

surveyTwoNatural$accessible = NA; dummyA = surveyTwoNatural$accessible

dummyQ = as.integer(surveyTwoNatural$Q32\_1); dummyQ = replace(dummyQ, is.na(dummyQ), 999); length(dummyQ)

mean(dummyQ)

for (zz in (1:length(dummyQ)) ) {

if (as.integer(dummyQ[zz]) == 5) { dummyA[zz] = 1 } # Strongly Agree

if (as.integer(dummyQ[zz]) == 4 ) { dummyA[zz] = 2 } # Agree

if (as.integer(dummyQ[zz]) == 3 ) { dummyA[zz] = 3 } # Neith

if (as.integer(dummyQ[zz]) == 2 ) { dummyA[zz] = 4 } # Disagree

if (as.integer(dummyQ[zz]) == 1 ) { dummyA[zz] = 5 } # Strongly Disagree

if (as.integer(dummyQ[zz]) == 6 ) { dummyA[zz] = 3 } # Not Sure = Not Sure

}

surveyTwoNatural$accessible=dummyA; dummyA

mean(dummyA, na.rm=TRUE)

summary(as.factor(dummyA))

**# 1.705714**

**# 1 2 3 4 5 NA's**

**# 162 143 33 10 2 150**

surveyThreeNatural$accessible = NA; dummyA = surveyThreeNatural$accessible

dummyQ = as.integer(surveyThreeNatural$Q19\_1); dummyQ = replace(dummyQ, is.na(dummyQ), 999); length(dummyQ)

mean(dummyQ)

for (zz in (1:length(dummyQ)) ) {

if (as.integer(dummyQ[zz]) == 5) { dummyA[zz] = 1 } # Strongly Agree

if (as.integer(dummyQ[zz]) == 4 ) { dummyA[zz] = 2 } # Agree

if (as.integer(dummyQ[zz]) == 3 ) { dummyA[zz] = 3 } # Neith

if (as.integer(dummyQ[zz]) == 2 ) { dummyA[zz] = 4 } # Disagree

if (as.integer(dummyQ[zz]) == 1 ) { dummyA[zz] = 5 } # Strongly Disagree

if (as.integer(dummyQ[zz]) == 6 ) { dummyA[zz] = 3 } # Not Sure = Not Sure

}

surveyTwoNatural$accessible=dummyA; dummyA

mean(dummyA, na.rm=TRUE)

summary(as.factor(dummyA))

**# 1.672764**

**# 1 2 3 4 5 NA's**

**# 281 138 39 21 13 66**

surveyOneNatural$accessible

surveyTwoNatural$accessible

surveyThreeNatural$accessible

summary(as.factor(surveyOneNatural$accessible)

summary(as.factor(surveyTwoNatural$accessible)

summary(as.factor(surveyThreeNatural$accessible)

summary(as.factor(surveyOneNatural$accessible)

summary(as.factor(surveyTwoNatural$accessible)

summary(as.factor(surveyThreeNatural$accessible)

# ------------ Rob O analyses 20 Aug 2019 ----------------------------------------------------------------------------------------------------

surveyTwo$Q4

summary(as.factor(surveyTwo$Q4))

> summary(as.factor(surveyTwo$Q4))

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 NA's

83 59 70 14 33 163 22 45 133 21 40 84 4 37 47 21 44 53 12 30

1 = Agriculture and Natural Resources, 2 = Atmospheric science, 3 = Biology, 4 = Business, 5 = Computer science, 6 = Ecology, 7 = Education, 8 = Engineering, 9 = Environmental science, 10 = Geology, 11 = Hydrology, 12 = Information science, 13 = Law, 14 = Medicine, 15 = Physical sciences, 16 = Psychology, 17 = Social sciences, 18 = Other

surveyTwo$Q4\_TEXT

summary(surveyTwo$Q4\_TEXT)

summary(as.factor(surveyTwo$Q4\_TEXT))

surveyThree$Q3\_mod

summary(as.factor(surveyThree$Q3\_mod))

summary(as.factor(surveyThree$Q3\_mod))

1 2 3 5 6 8 10 11 13 15 16 18 19 20 NA's

94 232 114 89 325 144 357 109 1 224 22 322 43 22 86

summary(as.factor(surveyThree$Q3\_Other\_text))

# work sector analyses --- Aug2019 ----------------------------------- END -----------------------------

# country code analyses --------------------------------------------------- START -------------------------------------------------------------------------------------------

regionCodeFile = read.csv('regions\_master\_list.csv', header = TRUE, stringsAsFactors = FALSE)

length(regionCodeFile[,1])

**# length(regionCodeFile[,1]) [1] 197 # hmmm, was 195 in May2019**

# survey1&2

USACanada12 = c(2, 33, 183)

LatinAmerica12 = c(8, 9, 14, 17, 20, 23, 26, 37, 39, 42, 45, 52, 53, 54, 56, 71, 72, 75, 76, 77, 87, 112, 124, 131, 133, 134, 144, 145, 146, 165, 174, 184, 187)

EuroRussia12 = c(4, 6, 10, 12, 13, 18, 19, 24, 28, 44, 46, 47, 50, 59, 62, 63, 64, 67, 68, 70, 78, 79, 84, 86, 95, 100, 101, 102, 108, 114, 116, 122, 127, 136, 137, 140, 141, 142, 148, 152, 156, 157, 161, 167, 168, 179, 181, 192)

AustraliaNZ12 = c( 11, 123)

AsiaSEAsia12 = c( 3, 16, 22, 31, 38, 48, 61, 80, 81, 88, 90, 93, 94, 105, 106, 107, 109, 113, 115, 119, 121, 129, 130, 132, 135, 139, 147, 155, 158, 162, 170, 171, 172, 177, 185, 186, 188)

AfricaMENA12= c(5, 7, 15, 21, 25, 27, 29, 30, 32, 34, 35, 36, 40, 41, 43, 49, 51, 55, 57, 58, 60, 65, 66, 69, 73, 74, 82, 83, 85, 89, 91, 92, 96, 97, 98, 99, 103, 104, 110, 117, 118, 120, 125, 126, 128, 138, 143, 149, 150, 151, 153, 154, 159, 160, 163, 164, 166, 169, 173, 175, 176, 178, 180, 182, 189, 190, 191, 195, 196)

# survey3

USACanada3 = c(31, 182)

LatinAmerica3 = c( 6, 7, 12, 15, 18, 21, 24, 35, 37, 40, 43, 50, 51, 52, 54, 69, 70, 73, 74, 75, 85, 111, 123, 130, 132, 133, 143, 144, 145, 164, 173, 183, 186)

EuroRussia3 = c(2, 4, 8, 10, 11, 16, 17, 22, 26, 42, 44, 45, 48, 57, 60, 195, 62, 65, 66, 68, 76, 77, 82, 84, 93, 98, 99, 100, 107, 113, 115, 121, 126, 135, 136, 139, 140, 141, 147, 151, 155, 156, 160, 166, 167, 178, 180, 180, 61, 192, 193)

AustraliaNZ3 = c(9, 122)

AsiaSEAsia3 = c(1, 14, 20, 29, 36, 46, 59, 78, 79, 86, 88, 91, 92, 104, 105, 106, 108, 112, 114, 118, 120, 128, 129, 131, 134, 138, 146, 154, 157, 161, 169, 170, 171, 176, 184, 185, 187, 191)

AfricaMENA3 = c( 3, 5, 13, 19, 23, 25, 27, 28, 30, 32, 33, 34, 38, 39, 41, 47, 49, 53, 55, 56, 58, 63, 64, 67, 71, 72, 80, 81, 83, 87, 89, 90, 94, 95, 96, 97, 101, 102, 109, 116, 117, 119, 124, 125, 127, 137, 142, 148, 149, 150, 152, 153, 158, 159, 162, 163, 165, 168, 172, 174, 175, 177, 179, 181, 188, 189, 190, 194, 195, 196)

# surveys 123

USACanadaNames = c('Canada', 'United States of America')

EuroRussiaNames = c('Albania', 'Andorra', 'Armenia', 'Austria', 'Azerbaijan', 'Belarus', 'Belgium', 'Bosnia and Herzegovina', 'Bulgaria', 'Croatia', 'Cyprus', 'Czech Republic', 'Denmark', 'Estonia', 'Finland', 'France', 'Georgia', 'Germany', 'Gibraltar', 'Greece', 'Hungary', 'Iceland', 'Ireland', 'Italy', 'Kosovo', 'Latvia', 'Liechtenstein', 'Lithuania', 'Luxembourg', 'Macedonia', 'Macedonia', 'Malta', 'Monaco', 'Montenegro', 'Netherlands', 'Norway', 'Poland', 'Portugal', 'Republic of Moldova', 'Romania', 'Russian Federation', 'San Marino', 'Serbia', 'Slovakia', 'Slovenia', 'Spain', 'Sweden', 'Switzerland', 'Ukraine', 'United Kingdom', 'United Kingdom of Great Britain and Northern Ireland')

AustraliaNZNames=c('Australia', 'New Zealand')

AsiaSEAsiaNames = c('Afghanistan', 'Bangladesh', 'Bhutan', 'Cambodia', 'China', 'Democratic Peoples Republic of Korea', 'Fiji', 'India', 'Indonesia', 'Japan', 'Kazakhstan', 'Kiribati', 'Kyrgyzstan', 'Laos', 'Malaysia', 'Maldives', 'Mali', 'Marshall Islands', 'Micronesia', 'Mongolia', 'Myanmar', 'Nepal', 'Pakistan', 'Palau', 'Papua New Guinea', 'Philippines', 'Republic of Korea', 'Samoa', 'Singapore', 'Solomon Islands', 'Sri Lanka', 'Taiwan', 'Tajikistan', 'Thailand', 'Turkmenistan', 'Uzbekistan', 'Vanuatu', 'Vietnam')

AfricaMENANames = c('Algeria', 'Angola', 'Bahrain', 'Benin', 'Botswana', 'Brunei Darussalam', 'Burkina Faso', 'Burundi', 'Cameroon', 'Cape Verde', 'Central African Republic', 'Chad', 'Comoros', 'Congo', 'Cote d Ivoire', 'Democratic Republic of the Congo', 'Djibouti', 'Egypt', 'Equatorial Guinea', 'Eritrea', 'Eswatini formerly Swaziland', 'Ethiopia', 'Gabon', 'Gambia', 'Ghana', 'Guinea', 'GuineaBissau', 'Iran', 'Iraq', 'Israel', 'Jordan', 'Kenya', 'Kuwait', 'Lebanon', 'Lesotho', 'Liberia', 'Libya', 'Madagascar', 'Malawi', 'Mauritania', 'Morocco', 'Mozambique', 'Namibia', 'Niger', 'Nigeria', 'Oman', 'Qatar', 'Rwanda', 'Sao Tome and Principe', 'Saudi Arabia', 'Senegal', 'Seychelles', 'Sierra Leone', 'Somalia', 'South Africa', 'South Sudan', 'Sudan', 'Swaziland', 'Syrian Arab Republic', 'Togo', 'Tunisia', 'Turkey', 'Uganda', 'United Arab Emirates', 'United Republic of Tanzania', 'Yemen', 'Zambia', 'Zimbabwe', 'Libyan Arab Jamahiriya', 'Iran (Islamic Republic of)' )

LatinAmericaNames = c('Antigua and Barbuda', 'Argentina', 'Bahamas', 'Barbados', 'Belize', 'Bolivia', 'Brazil', 'Chile', 'Colombia', 'Costa Rica', 'Cuba', 'Dominica', 'Dominican Republic', 'Ecuador', 'El Salvador', 'Grenada', 'Guatemala', 'Guyana', 'Haiti', 'Honduras', 'Jamaica', 'Mexico', 'Nicaragua', 'Panama', 'Paraguay', 'Peru', 'Saint Kitts and Nevis', 'Saint Lucia', 'Saint Vincent and the Grenadines', 'Suriname', 'Trinidad and Tobago', 'Uruguay', 'Venezuela')

NUSACanada=0; NLatinAmerica=0; NEuroRussia=0; NAustraliaNZ=0; NAsiaSEAsia=0; NAfricaMENA=0; NNA=0

for (zz in (1:bigN1) ) { # print(surveyOne$Q20[zz])

if (surveyOne$Q20[zz] %in% USACanadaNames) { NUSACanada = 1+ NUSACanada }

if (surveyOne$Q20[zz] %in% EuroRussiaNames) { NEuroRussia = 1+ NEuroRussia }

if (surveyOne$Q20[zz] %in% LatinAmericaNames) { NLatinAmerica = 1+ NLatinAmerica }

if (surveyOne$Q20[zz] %in% AsiaSEAsiaNames) { NAsiaSEAsia = 1+ NAsiaSEAsia }

if (surveyOne$Q20[zz] %in% AfricaMENANames) { NAfricaMENA = 1+ NAfricaMENA }

if (surveyOne$Q20[zz] %in% AustraliaNZNames) { NAustraliaNZ = 1+ NAustraliaNZ }

if (surveyOne$Q20[zz] == ' ') { NNA = 1+ NNA } }

NUSACanada; NEuroRussia; NAustraliaNZ

bigSum1 = NUSACanada+NEuroRussia+NAustraliaNZ; bigSum1

NLatinAmerica; NAsiaSEAsia; NAfricaMENA

bigSum1all = bigSum1+ NLatinAmerica+ NAsiaSEAsia+ NAfricaMENA; bigSum1all

NNA

bigSum1all+NNA

bigN1-bigSum1all-NNA # should be zero #

**# > NUSACanada; NEuroRussia; NAustraliaNZ**

**# 946 192 22**

**# bigSum1 = 1160**

**# NLatinAmerica; NAsiaSEAsia; NAfricaMENA**

**# 45 71 30**

**# bigSum1all = 1306**

**# NA = 23**

**# bigN1 = 1329**

**# bigN1-bigSum1all-NNA = 0 # should be zero #**

message1 = 'survey 1, country (n=1306) July2019'

message1 = 'survey 1, country (n=1306) Aug2019'

countryPie = c(NUSACanada, NEuroRussia, NAustraliaNZ, NLatinAmerica, NAsiaSEAsia, NAfricaMENA)

slices=c('USACanada', 'EuroRussia', 'AustraliaNZ', 'LatinAmerica', 'AsiaSEAsia', 'AfricaMENA')

slicecolors=c(Blue, RobinEggBlue, ScreaminGreen, Sunglow, PinkFlamingo, PaleViolet)

# Sunglow, Scarlet, HotMagenta, Fern, CaribbeanGreen, ElectricLime, LaserLemon, Violet MangoTango

dev.new()

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

pie(countryPie, labels = slices, col = slicecolors, main=message1, init.angle=80)

#dev.off()

NUSACanada=0; NLatinAmerica=0; NEuroRussia=0; NAustraliaNZ=0; NAsiaSEAsia=0; NAfricaMENA=0; NNA=0

for (zz in (1:bigN2) ) { # print(surveyTwo$Q6[zz])

if (as.integer(surveyTwo$Q6[zz]) %in% USACanada12) { NUSACanada = 1+ NUSACanada }

if (as.integer(surveyTwo$Q6[zz]) %in% EuroRussia12) { NEuroRussia = 1+ NEuroRussia }

if (as.integer(surveyTwo$Q6[zz]) %in% LatinAmerica12) { NLatinAmerica = 1+ NLatinAmerica }

if (as.integer(surveyTwo$Q6[zz]) %in% AsiaSEAsia12) { NAsiaSEAsia = 1+ NAsiaSEAsia }

if (as.integer(surveyTwo$Q6[zz]) %in% AfricaMENA12) { NAfricaMENA = 1+ NAfricaMENA }

if (as.integer(surveyTwo$Q6[zz]) %in% AustraliaNZ12) { NAustraliaNZ = 1+ NAustraliaNZ }

if (is.na(surveyTwo$Q6[zz]) ) { NNA = 1+ NNA } }

NUSACanada; NEuroRussia; NAustraliaNZ

bigSum2 = NUSACanada+NEuroRussia+NAustraliaNZ; bigSum2

NLatinAmerica; NAsiaSEAsia; NAfricaMENA

bigSum2all = bigSum2+ NLatinAmerica+ NAsiaSEAsia+ NAfricaMENA; bigSum2all

NNA

bigSum2all+NNA

bigN2-bigSum2all-NNA # should be zero #

**# > NUSACanada; NEuroRussia; NAustraliaNZ**

**# 585 141 20**

**# bigSum2 = 746**

**# NLatinAmerica; NAsiaSEAsia; NAfricaMENA**

**# 62 78 85**

**# bigSum2all = 971**

**# NA = 44**

**# bigN2 = 1015**

**# bigN2-bigSum2all-NNA = 0 # should be zero #**

message1 = 'survey 2, country (n=941) July2019'

message1 = 'survey 2, country (n=941) Aug2019'

countryPie = c(NUSACanada, NEuroRussia, NAustraliaNZ, NLatinAmerica, NAsiaSEAsia, NAfricaMENA)

slices=c('USACanada', 'EuroRussia', 'AustraliaNZ', 'LatinAmerica', 'AsiaSEAsia', 'AfricaMENA')

slicecolors=c(Blue, RobinEggBlue, ScreaminGreen, Sunglow, PinkFlamingo, PaleViolet)

# Sunglow, Scarlet, HotMagenta, Fern, CaribbeanGreen, ElectricLime, LaserLemon, Violet MangoTango

dev.new()

pie(countryPie, labels = slices, col = slicecolors, main=message1, init.angle=80)

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

pie(countryPie, labels = slices, col = slicecolors, main=message1, init.angle=80)

#dev.off()

NUSACanada=0; NLatinAmerica=0; NEuroRussia=0; NAustraliaNZ=0; NAsiaSEAsia=0; NAfricaMENA=0; NNA=0

for (zz in (1:bigN3) ) { # print(surveyThree$Q5[zz])

if (as.integer(surveyThree$Q5[zz]) %in% USACanada3) { NUSACanada = 1+ NUSACanada }

if (as.integer(surveyThree$Q5[zz]) %in% EuroRussia3) { NEuroRussia = 1+ NEuroRussia }

if (as.integer(surveyThree$Q5[zz]) %in% LatinAmerica3) { NLatinAmerica = 1+ NLatinAmerica }

if (as.integer(surveyThree$Q5[zz]) %in% AsiaSEAsia3) { NAsiaSEAsia = 1+ NAsiaSEAsia }

if (as.integer(surveyThree$Q5[zz]) %in% AfricaMENA3) { NAfricaMENA = 1+ NAfricaMENA }

if (as.integer(surveyThree$Q5[zz]) %in% AustraliaNZ3) { NAustraliaNZ = 1+ NAustraliaNZ }

if (is.na(surveyThree$Q5[zz]) ) { NNA = 1+ NNA } }

NUSACanada; NEuroRussia; NAustraliaNZ

bigSum3 = NUSACanada+NEuroRussia+NAustraliaNZ; bigSum3

NLatinAmerica; NAsiaSEAsia; NAfricaMENA

bigSum3all = bigSum3+ NLatinAmerica+ NAsiaSEAsia+ NAfricaMENA; bigSum3all

NNA

bigSum3all+NNA

bigN3-bigSum3all-NNA # should be zero #

**# > NUSACanada; NEuroRussia; NAustraliaNZ**

**# 950 497 96**

**# bigSum3 = 1543**

**# NLatinAmerica; NAsiaSEAsia; NAfricaMENA**

**# 118 223 132**

**# bigSum3all = 2016**

**# NA = 168**

**# bigN3 = 2184**

**# bigN3-bigSum3all-NNA = 0 # should be zero #**

message1 = 'survey 3, country (n=2016) July2019'

message1 = 'survey 3, country (n=2016) Aug2019'

countryPie = c(NUSACanada, NEuroRussia, NAustraliaNZ, NLatinAmerica, NAsiaSEAsia, NAfricaMENA)

slices=c('USACanada', 'EuroRussia', 'AustraliaNZ', 'LatinAmerica', 'AsiaSEAsia', 'AfricaMENA')

slicecolors=c(Blue, RobinEggBlue, ScreaminGreen, Sunglow, PinkFlamingo, PaleViolet)

# Sunglow, Scarlet, HotMagenta, Fern, CaribbeanGreen, ElectricLime, LaserLemon, Violet MangoTango

dev.new()

pie(countryPie, labels = slices, col = slicecolors, main=message1, init.angle=80)

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

pie(countryPie, labels = slices, col = slicecolors, main=message1, init.angle=80)

#dev.off()

# ------------- output tables below ------------------------------------------------------------------------------------

Survey 1 Survey 2 Survey 3

Survey 1 Survey 2 Survey 3

USCanada 946 585 950

EuroRussia 192 141 497

AustraliaNZ 22 20 96 .

sum 1160 746 1543

USCanada 946 585 950

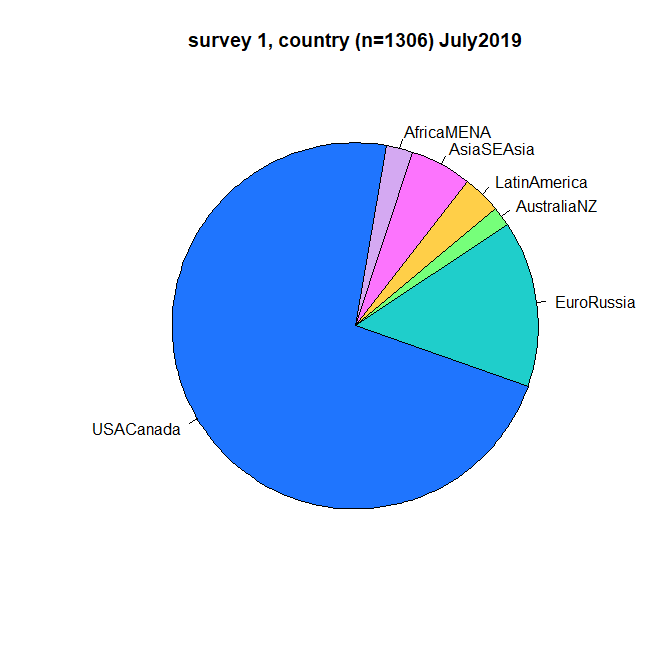
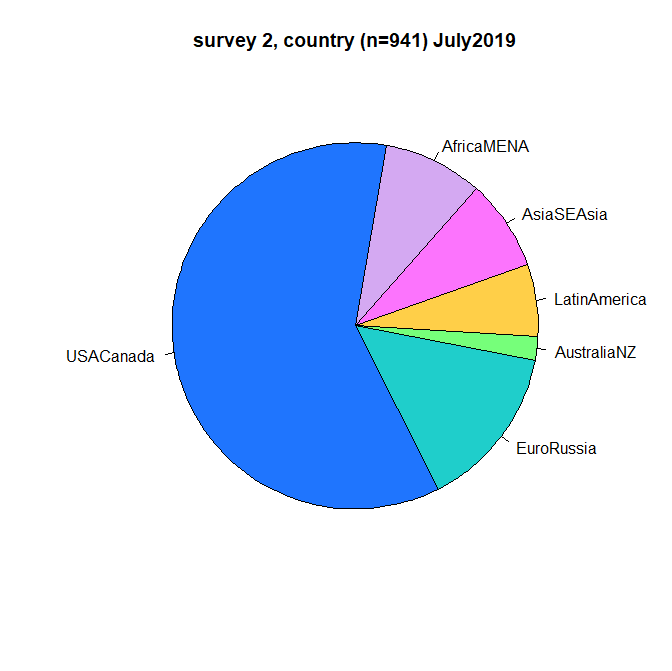
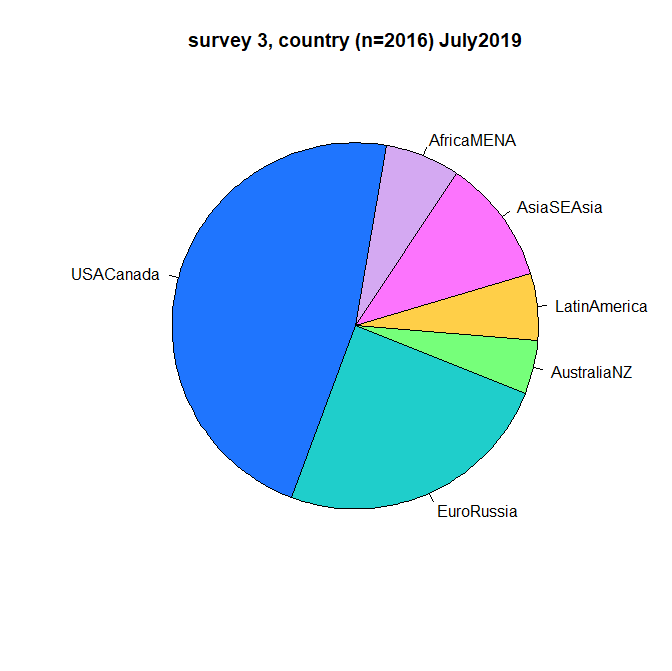
EuroRussia 192 141 497

AustraliaNZ 22 20 96 .

sum 1160 746 1543

|  |  |  |  |
| --- | --- | --- | --- |
|  | Survey 1 | Survey 2 | Survey 3 |
| USCanada | 946 | 585 | 950 |
| EuroRussia | 192 | 141 | 497 |
| AustraliaNZ | 22 | 20 | 96 |
| LatinAmerica | 45 | 62 | 118 |
| AsiaSEAsia | 71 | 78 | 223 |
| AfricaMENA | 30 | 85 | 132 |
| totals | 1306 | 971 | 2016 |
|  |  |  |  |
| NA's | 23 | 44 | 168 |
| big totals | 1329 | 1015 | 2184 |
|  |  |  |  |
| USCanada | 72.4 | 60.2 | 47.1 |
| EuroRussia | 14.7 | 14.5 | 24.7 |
| AustraliaNZ | 1.7 | 2.1 | 4.8 |
| LatinAmerica | 3.4 | 6.4 | 5.9 |
| AsiaSEAsia | 5.4 | 8.0 | 11.1 |
| AfricaMENA | 2.3 | 8.8 | 6.5 |
|  | 100.0 | 100.0 | 100.0 |

# current plots of the country or origin data

# country code analyses --------------------------------------------------- END -------------------------------------------------------------------------------------------

# Data Sharing & Data Reuse analyses ------------------------------- START -------------------------------------------------------------------------------------------

**# 05\_15\_12**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Survey 1** | **Survey 2** | **Survey 3** |
| 05\_15\_12  data sharing behavior | Q5. If some or all of your data are available to others, these data are available: none, some, most, all  Q5\_1 on my organization's website  Q5\_2 on the principal investigator’s website  Q5\_3 through a national network  Q5\_4 through a regional network  Q5\_5 through a global network  Q5\_6 on my personal website  Q5\_7 other  Q5\_text | Q15. How much of your data do you make available to others? (originally Q13) 1 = none, 2 = some, 3 = most, 4 = all  Q14 How much of your data do you currently store in the following locations? 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure  Q14\_1 on my institution’s server  Q14\_2 on the principal investigator’s server  Q14\_3 on a departmental server  Q14\_4 on my personal computer  Q14\_5 on paper in my office  Q14\_6 in a discipline-based repository, (e.g. NEON or LTER)  Q14\_7 in a publisher or publisher-related repository (e.g., specific publisher or Dryad)  Q14\_8 other data repository or archive (e.g., national data center)  Q14\_9 in my institution’s repository  Q14\_10 other  Q14\_10\_TEXT other text | Q12. How much of your data do you currently store or deposit in the following locations? (For each location, choose only the one best answer) 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure  Q12\_1 On my institution's server  Q12\_2 On the principal investigator's server  Q12\_3 On a departmental server  Q12\_4 On my personal computer  Q12\_5 On paper in my office  Q12\_6 Thumb/external drive  Q12\_7 In a discipline-based repository (eg NEON or LTER)  Q12\_8 In a publisher or publisher-related (eg, specific publisher or Dryad)  Q12\_9 Other data repository or archive (eg, national data center)  Q12\_10 In my institution's repository  Q12\_11 Cloud storage  Q12\_12 Other  Q12\_Other If you selected other, please specify |

# survey 3 Question 12

# Q12. How much of your data do you currently store or deposit in the following locations? (For each location, choose only the one best answer)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

surveyThree$Q12\_1

# Q12\_1… On my institution's server

dummy3Q = surveyThree$Q12\_1; dummyQ = dummy3Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_1 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2); DummyQV12\_1

# NNone NSome NMost NAll NNotSure NZero NNA

# 469 468 333 407 21 29 457 bigSumDummy = 2184 bigSumDummy-NNA = 1727

# 0.2716 0.271 0.1928 0.2357 0.01216 0.01679

# 0.2797 0.2791 0.1986 0.2427 bigSumDummy-NNA-NNotSure-NZero = 1677

# Q12\_2… On the principal investigator's server

dummyQ = surveyThree$Q12\_2; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_2 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2); DummyQV12\_2

# NNone NSome NMost NAll NNotSure NZero NNA

# 655 342 240 282 33 46 586 bigSumDummy = 2184 bigSumDummy-NNA = 1598

# 0.4099 0.214 0.1502 0.1765 0.02065 0.02879

# 0.4312 0.2251 0.158 0.1856 bigSumDummy-NNA-NNotSure-NZero = 1519

# Q12\_3… On a departmental server

dummyQ = surveyThree$Q12\_3; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_3 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2);

# NNone NSome NMost NAll NNotSure NZero NNA

# 809 342 192 146 25 42 628 bigSumDummy = 2184 bigSumDummy-NNA = 1556

# 0.5199 0.2198 0.1234 0.09383 0.01607 0.02699

# 0.5433 0.2297 0.1289 0.09805 bigSumDummy-NNA-NNotSure-NZero = 1489

# Q12\_4… On my personal computer

dummyQ = surveyThree$Q12\_4; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_4 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 161 503 356 718 6 9 431 bigSumDummy = 2184 bigSumDummy-NNA = 1753

# 0.09184 0.2869 0.2031 0.4096 0.003423 0.005134

# 0.09264 0.2894 0.2048 0.4131 bigSumDummy-NNA-NNotSure-NZero = 1738

# Q12\_5 On paper in my office

dummyQ = surveyThree$Q12\_5; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_5 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 698 654 116 81 9 15 611 bigSumDummy = 2184 bigSumDummy-NNA = 1573

# 0.4437 0.4158 0.07374 0.05149 0.005722 0.009536

# 0.4506 0.4222 0.07489 0.05229 bigSumDummy-NNA-NNotSure-NZero = 1549

# Q12\_6… Thumb/external drive

dummyQ = surveyThree$Q12\_6; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_6 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 557 496 184 281 24 23 619 bigSumDummy = 2184 bigSumDummy-NNA = 1565

# 0.3559 0.3169 0.1176 0.1796 0.01534 0.0147

# 0.3669 0.3267 0.1212 0.1851 bigSumDummy-NNA-NNotSure-NZero = 1518

# Q12\_7… In a discipline-based repository (eg NEON or LTER)

dummyQ = surveyThree$Q12\_7; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),7' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_7 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NN7A

# 1074 218 92 31 62 59 648 bigSumDummy = 2184 bigSumDummy-NNA = 1536

# 0.6992 0.1419 0.0599 0.02018 0.04036 0.03841

# 0.759 0.1541 0.06502 0.02191 bigSumDummy-NNA-NNotSure-NZero = 1415

# Q12\_8… In a publisher or publisher-related (eg, specific publisher or Dryad) "

dummyQ = surveyThree$Q12\_8; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_8 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 1030 334 53 19 45 60 643 bigSumDummy = 2184 bigSumDummy-NNA = 1541

# 0.6684 0.2167 0.03439 0.01233 0.0292 0.03894

# 0.7173 0.2326 0.03691 0.01323 bigSumDummy-NNA-NNotSure-NZero = 1436

# Q12\_9… Other data repository or archive (eg, national data center)

dummyQ = surveyThree$Q12\_9; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_9 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 850 383 192 72 42 45 600 bigSumDummy = 2184 bigSumDummy-NNA = 1584

# 0.5366 0.2418 0.1212 0.04545 0.02652 0.02841

# 0.5678 0.2558 0.1283 0.0481 bigSumDummy-NNA-NNotSure-NZero = 1497

# Q12\_10…In my institution's repository

dummyQ = surveyThree$Q12\_10; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_10 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 858 357 133 122 41 42 631 bigSumDummy = 2184 bigSumDummy-NNA = 1553

# 0.5525 0.2299 0.08564 0.07856 0.0264 0.02704

# 0.5837 0.2429 0.09048 0.08299 bigSumDummy-NNA-NNotSure-NZero = 1470

# Q12\_11… Cloud storage

dummyQ = surveyThree$Q12\_11; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_11 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 686 479 184 191 20 33 591 bigSumDummy = 2184 bigSumDummy-NNA = 1593

# 0.4306 0.3007 0.1155 0.1199 0.01255 0.02072

# 0.4455 0.311 0.1195 0.124 bigSumDummy-NNA-NNotSure-NZero = 1540

# Q12\_12… Other {storage depository}

dummyQ = surveyThree$Q12\_12; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

DummyQV12\_12 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 713 56 18 33 159 0 1205 bigSumDummy = 2184 bigSumDummy-NNA = 979

# 0.7283 0.0572 0.01839 0.03371 0.1624 0

# 0.8695 0.06829 0.02195 0.04024 bigSumDummy-NNA-NNotSure-NZero = 820

DummyQV12\_1

DummyQV12\_2

DummyQV12\_3

DummyQV12\_4

DummyQV12\_5

DummyQV12\_6

DummyQV12\_7

DummyQV12\_8

DummyQV12\_9

DummyQV12\_10

DummyQV12\_11

DummyQV12\_12

dummyQV12=matrix( data=c(DummyQV12\_1,DummyQV12\_2,DummyQV12\_3,DummyQV12\_4,DummyQV12\_5,DummyQV12\_6,DummyQV12\_7,DummyQV12\_8,DummyQV12\_9,DummyQV12\_10,DummyQV12\_11,DummyQV12\_12), nr=12, nc=7)

dummyQV12[7,]

dummyQV12[2,]

dummyQV12=matrix( data=c(DummyQV12\_1,DummyQV12\_2,DummyQV12\_3,DummyQV12\_4,DummyQV12\_5,DummyQV12\_6,DummyQV12\_7,DummyQV12\_8,DummyQV12\_9,DummyQV12\_10,DummyQV12\_11,DummyQV12\_12), nr=7, nc=12)

dummyQV12

# ---------- plotting 5 response categories ---------------------------------------------------------------------------

message1 = 'Survey 3, Q12, NAs omitted'

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 = 120; y1 = 0; y2 = 14; plot(y1~x1, xlab='choice pct', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message1); dy=1; y1=0.5; x1=0

for (zz in (1:12) ) {

xt1 = x1; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV12[1,zz]; yt2 = y1+(zz\*dy)

rect(xt1,yt1,xt2,yt2, col= RobinEggBlue) # all

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV12[2,zz]; yt2 = y1+(zz\*dy)

rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) # most

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV12[3,zz]; yt2 = y1+(zz\*dy)

rect(xt1,yt1,xt2,yt2, col= LaserLemon) # some

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV12[4,zz]; yt2 = y1+(zz\*dy)

rect(xt1,yt1,xt2,yt2, col= Scarlet) # none

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV12[5,zz]; yt2 = y1+(zz\*dy)

rect(xt1,yt1,xt2,yt2, col= Sunglow) # unsure

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV12[6,zz]; yt2 = y1+(zz\*dy)

rect(xt1,yt1,xt2,yt2, col= MangoTango) # zero

# zzz=paste('n=',as.character(dummyQV12[7,zz])); text(-8,zz-0.2,zzz, cex=0.7, col=Violet)

# text(-8, zz+0.2,(paste('Q12\_', as.character(zz))), cex=0.7, col=Violet )

}

# manual legend

dx = 5; dy=0.5;x1 = 0;y1=13

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+9, y1+dy/2,"all", cex=0.8); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+11, y1+dy/2,"most", cex=0.8); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+11, y1+dy/2,"some", cex=0.8); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+11, y1+dy/2,"none", cex=0.8); x1=x1+19

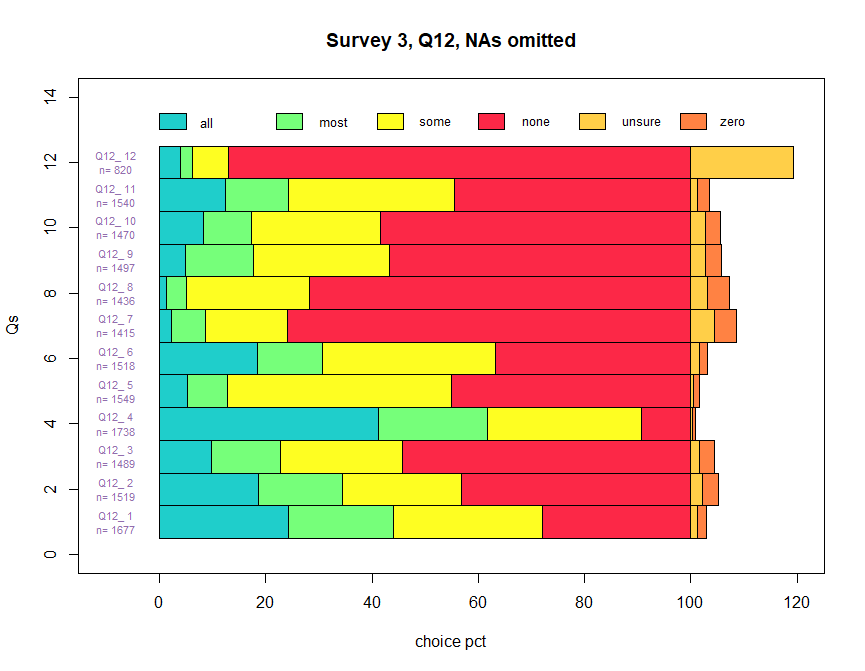
rect(x1, y1, x1+dx, y1+dy, col= Sunglow); text(x1+12, y1+dy/2,"unsure", cex=0.8 ); x1=x1+19

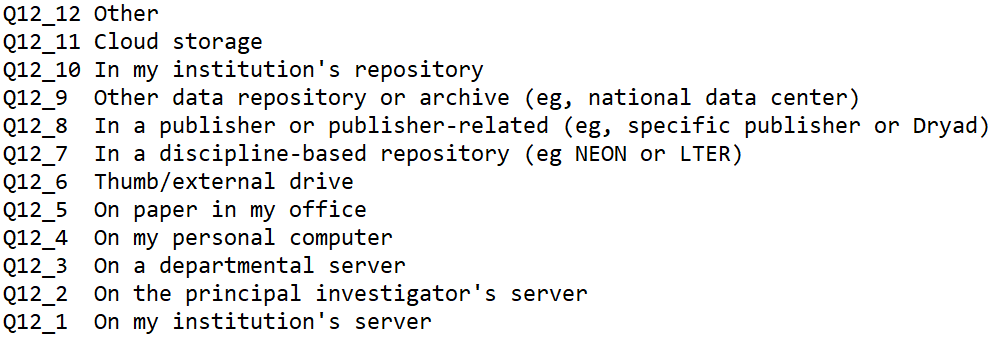
rect(x1, y1, x1+dx, y1+dy, col= MangoTango); text(x1+10, y1+dy/2,"zero", cex=0.8 ); x1=x1+19

# dev.off()

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

# dev.off()





Note: the N's (and the %'s) are the sample sizes for respondents entering a choice of All, Most, Some, or None

Q12\_12 Other

Q12\_11 Cloud storage

Q12\_10 In my institution's repository

Q12\_9 Other data repository or archive (eg, national data center)

Q12\_8  In a publisher or publisher-related (eg, specific publisher or Dryad)

Q12\_7 In a discipline-based repository (eg NEON or LTER)

Q12\_6   Thumb/external drive

Q12\_5   On paper in my office

Q12\_4   On my personal computer

Q12\_3   On a departmental server

Q12\_2   On the principal investigator's server

Q12\_1   On my institution's server

The open question remaining is do respondents who say they store their data using the “risky” choices of (Q12\_4   On my personal computer, Q12\_5   On paper in my office, or Q12\_6 Thumb/external drive) ALSO respond that they store their data in potentially sharable or externally accessible sites such as (Q12\_7 In a discipline-based repository (eg NEON or LTER), Q12\_8  In a publisher or publisher-related (eg, specific publisher or Dryad), Q12\_9 Other data repository or archive (eg, national data center), Q12\_10 In my institution's repository, or Q12\_12 Other {if they then specify something externally accessible in Q12\_Other)? A single respondent can say “All” for all of these questions, assuming that the “data” are not actual physical objects such as specimens.

# survey 3 summary -------------------------------------------------------------------------------------------------------

# Q12\_1… On my institution's server

# NNone NSome NMost NAll NNotSure NZero NNA

# 469 468 333 407 21 29 457 bigSumDummy = 2184 bigSumDummy-NNA = 1727

# 0.2797 0.2791 0.1986 0.2427 bigSumDummy-NNA-NNotSure-NZero = 1677

# Q12\_2… On the principal investigator's server

# NNone NSome NMost NAll NNotSure NZero NNA

# 655 342 240 282 33 46 586 bigSumDummy = 2184 bigSumDummy-NNA = 1598

# 0.4312 0.2251 0.158 0.1856 bigSumDummy-NNA-NNotSure-NZero = 1519

# Q12\_3… On a departmental server

# NNone NSome NMost NAll NNotSure NZero NNA

# 809 342 192 146 25 42 628 bigSumDummy = 2184 bigSumDummy-NNA = 1556

# 0.5433 0.2297 0.1289 0.09805 bigSumDummy-NNA-NNotSure-NZero = 1489

# Q12\_4… On my personal computer

# NNone NSome NMost NAll NNotSure NZero NNA

# 161 503 356 718 6 9 431 bigSumDummy = 2184 bigSumDummy-NNA = 1753

# 0.09264 0.2894 0.2048 0.4131 bigSumDummy-NNA-NNotSure-NZero = 1738

# Q12\_5… On paper in my office

# NNone NSome NMost NAll NNotSure NZero NNA

# 698 654 116 81 9 15 611 bigSumDummy = 2184 bigSumDummy-NNA = 1573

# 0.4506 0.4222 0.07489 0.05229 bigSumDummy-NNA-NNotSure-NZero = 1549

# Q12\_6… Thumb/external drive

# NNone NSome NMost NAll NNotSure NZero NNA

# 557 496 184 281 24 23 619 bigSumDummy = 2184 bigSumDummy-NNA = 1565

# 0.3669 0.3267 0.1212 0.1851 bigSumDummy-NNA-NNotSure-NZero = 1518

# Q12\_7… In a discipline-based repository (eg NEON or LTER)

# NNone NSome NMost NAll NNotSure NZero NNA

# 1074 218 92 31 62 59 648 bigSumDummy = 2184 bigSumDummy-NNA = 1536

# 0.759 0.1541 0.06502 0.02191 bigSumDummy-NNA-NNotSure-NZero = 1415

# Q12\_8… In a publisher or publisher-related (eg, specific publisher or Dryad) "

# NNone NSome NMost NAll NNotSure NZero NNA

# 1030 334 53 19 45 60 643 bigSumDummy = 2184 bigSumDummy-NNA = 1541

# 0.7173 0.2326 0.03691 0.01323 bigSumDummy-NNA-NNotSure-NZero = 1436

# Q12\_9… Other data repository or archive (eg, national data center)

# NNone NSome NMost NAll NNotSure NZero NNA

# 850 383 192 72 42 45 600 bigSumDummy = 2184 bigSumDummy-NNA = 1584

# 0.5678 0.2558 0.1283 0.0481 bigSumDummy-NNA-NNotSure-NZero = 1497

# Q12\_10…In my institution's repository

# NNone NSome NMost NAll NNotSure NZero NNA

# 858 357 133 122 41 42 631 bigSumDummy = 2184 bigSumDummy-NNA = 1553

# 0.5837 0.2429 0.09048 0.08299 bigSumDummy-NNA-NNotSure-NZero = 1470

# Q12\_11… Cloud storage

# NNone NSome NMost NAll NNotSure NZero NNA

# 686 479 184 191 20 33 591 bigSumDummy = 2184 bigSumDummy-NNA = 1593

# 0.4455 0.311 0.1195 0.124 bigSumDummy-NNA-NNotSure-NZero = 1540

# Q12\_12… Other {storage depository}

# NNone NSome NMost NAll NNotSure NZero NNA

# 713 56 18 33 159 0 1205 bigSumDummy = 2184 bigSumDummy-NNA = 979

# 0.8695 0.06829 0.02195 0.04024 bigSumDummy-NNA-NNotSure-NZero = 820

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

# finds and prints out all of the comments

# Q12\_Other… If you selected other, please specify

dummyQ = surveyThree$Q12\_Other; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (nchar(dummyQ[zz])>0) { print(paste(zz, nchar(dummyQ[zz]), dummyQ[zz])) } }

# Q – do people store data in multiple sites?

dummy3Q\_1 = surveyThree$Q12\_1; dummyQ = dummy3Q\_1; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_1 = dummyQ

dummy3Q\_2 = surveyThree$Q12\_2; dummyQ = dummy3Q\_2; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_2 = dummyQ

dummy3Q\_3 = surveyThree$Q12\_3; dummyQ = dummy3Q\_3; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_3 = dummyQ

dummy3Q\_4 = surveyThree$Q12\_4; dummyQ = dummy3Q\_4; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_4 = dummyQ

dummy3Q\_5 = surveyThree$Q12\_5; dummyQ = dummy3Q\_5; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_5 = dummyQ

dummy3Q\_6 = surveyThree$Q12\_6; dummyQ = dummy3Q\_6; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_6 = dummyQ

dummy3Q\_7 = surveyThree$Q12\_7; dummyQ = dummy3Q\_7; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_7 = dummyQ

dummy3Q\_8 = surveyThree$Q12\_8; dummyQ = dummy3Q\_8; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_8 = dummyQ

dummy3Q\_9 = surveyThree$Q12\_9; dummyQ = dummy3Q\_9; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_9 = dummyQ

dummy3Q\_10 = surveyThree$Q12\_10; dummyQ = dummy3Q\_10; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_10 = dummyQ

dummy3Q\_11 = surveyThree$Q12\_11; dummyQ = dummy3Q\_11; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_11 = dummyQ

dummy3Q\_12 = surveyThree$Q12\_12; dummyQ = dummy3Q\_12; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy3Q\_12 = dummyQ

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

storageScore = c(rep(0,bigN3)); storageScore

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

if (as.integer(dummy3Q\_1[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_1[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_1[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_2[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_2[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_2[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_3[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_3[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_3[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_4[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_4[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_4[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_5[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_5[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_5[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_6[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_6[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_6[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_7[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_7[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_7[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_8[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_8[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_8[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_9[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_9[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_9[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_10[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_10[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_10[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_11[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_11[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_11[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy3Q\_12[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy3Q\_12[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy3Q\_12[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

}

storageScore

dev.new()

message = 'storageScore survey3 Q12 July2019'

barcolors=c(Fern, RobinEggBlue, Cerulean, Violet, HotMagenta, Scarlet, MangoTango, Sunglow, LaserLemon, ScreaminGreen)

hist(storageScore, col = barcolors, breaks=seq(0,1500,25), main=message, right=FALSE)

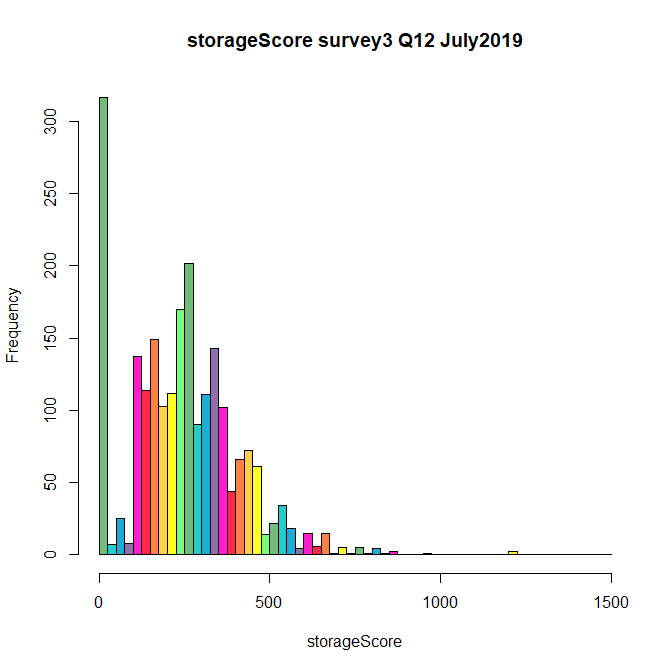
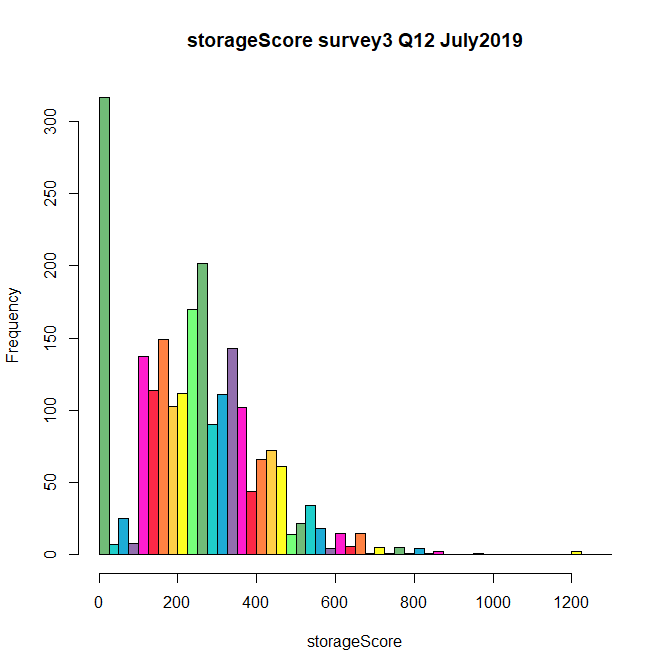
dev.new()

message = 'storageScore survey3 Q12 July2019'

barcolors=c(Fern, RobinEggBlue, Cerulean, Violet, HotMagenta, Scarlet, MangoTango, Sunglow, LaserLemon, ScreaminGreen)

hist(storageScore, col = barcolors, breaks=seq(0,1300,25), main=message, right=FALSE)

# Q – do people store data in multiple sites? A – yes, many do, but many don’t reply at all…

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

# survey 2 Question 15 and 14

# Q15. How much of your data do you make available to others? (originally Q13)

# 1 = none, 2 = some, 3 = most, 4 = all

# Q14 How much of your data do you currently store in the following locations?

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

# Q15. How much of your data do you make available to others? (originally Q13)

# 1 = none, 2 = some, 3 = most, 4 = all

dummy2Q = surveyTwo$Q15; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 79 359 265 130 0 0 182 bigSumDummy = 1015 bigSumDummy-NNA = 833

# 0.09484 0.431 0.3181 0.1561 0 0

# 0.09484 0.431 0.3181 0.1561 bigSumDummy-NNA-NNotSure-NZero = 833

# Q14\_1 on my institution’s server

dummy2Q = surveyTwo$Q14\_1; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

dummy2QV14\_1 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 229 218 139 131 15 0 283 bigSumDummy = 1015 bigSumDummy-NNA = 732

# 0.3128 0.2978 0.1899 0.179 0.02049 0

# 0.3194 0.304 0.1939 0.1827 bigSumDummy-NNA-NNotSure-NZero = 717

# Q14\_2 on the principal investigator’s server

dummy2Q = surveyTwo$Q14\_2; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

dummy2QV14\_2 = c((NAll/zz2),(NMost/zz2),(NSome/zz2),(NNone/zz2),(NNotSure/zz2),(NZero/zz2),zz2)

# NNone NSome NMost NAll NNotSure NZero NNA

# 287 150 76 98 27 0 377 bigSumDummy = 1015 bigSumDummy-NNA = 638

# 0.4498 0.2351 0.1191 0.1536 0.04232 0

# 0.4697 0.2455 0.1244 0.1604 bigSumDummy-NNA-NNotSure-NZero = 611

dummy2QV14\_1

# Q14\_3 on a departmental server

dummy2Q = surveyTwo$Q14\_3; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 314 155 77 64 24 0 381 bigSumDummy = 1015 bigSumDummy-NNA = 634

# 0.4953 0.2445 0.1215 0.1009 0.03785 0

# 0.5148 0.2541 0.1262 0.1049 bigSumDummy-NNA-NNotSure-NZero = 610

# Q14\_4 on my personal computer

dummy2Q = surveyTwo$Q14\_4; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 54 208 187 306 3 0 257 bigSumDummy = 1015 bigSumDummy-NNA = 758

# 0.07124 0.2744 0.2467 0.4037 0.003958 0

# 0.07152 0.2755 0.2477 0.4053 bigSumDummy-NNA-NNotSure-NZero = 755

# Q14\_5 on paper in my office

dummy2Q = surveyTwo$Q14\_5; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 220 331 42 45 8 0 369 bigSumDummy = 1015 bigSumDummy-NNA = 646

# 0.3406 0.5124 0.06502 0.06966 0.01238 0

# 0.3448 0.5188 0.06583 0.07053 bigSumDummy-NNA-NNotSure-NZero = 638

# Q14\_6 in a discipline-based repository, (e.g. NEON or LTER)

dummy2Q = surveyTwo$Q14\_6; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 428 106 43 13 24 0 401 bigSumDummy = 1015 bigSumDummy-NNA = 614

# 0.6971 0.1726 0.07003 0.02117 0.03909 0

# 0.7254 0.1797 0.07288 0.02203 bigSumDummy-NNA-NNotSure-NZero = 590

# Q14\_7 in a publisher or publisher-related repository (e.g., specific publisher or Dryad)

dummy2Q = surveyTwo$Q14\_7; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 457 96 11 3 31 0 417 bigSumDummy = 1015 bigSumDummy-NNA = 598

# 0.7642 0.1605 0.01839 0.005017 0.05184 0

# 0.806 0.1693 0.0194 0.005291 bigSumDummy-NNA-NNotSure-NZero = 567

# Q14\_8 other data repository or archive (e.g., national data center)

dummy2Q = surveyTwo$Q14\_8; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 403 134 33 22 25 0 398 bigSumDummy = 1015 bigSumDummy-NNA = 617

# 0.6532 0.2172 0.05348 0.03566 0.04052 0

# 0.6807 0.2264 0.05574 0.03716 bigSumDummy-NNA-NNotSure-NZero = 592

# Q14\_9 in my institution’s repository

dummy2Q = surveyTwo$Q14\_9; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 387 124 38 27 25 0 414 bigSumDummy = 1015 bigSumDummy-NNA = 601

# 0.6439 0.2063 0.06323 0.04493 0.0416 0

# 0.6719 0.2153 0.06597 0.04688 bigSumDummy-NNA-NNotSure-NZero = 576

# Q14\_10 other

dummy2Q = surveyTwo$Q14\_10; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 130 18 10 7 22 0 828 bigSumDummy = 1015 bigSumDummy-NNA = 187

# 0.6952 0.09626 0.05348 0.03743 0.1176 0

# 0.7879 0.1091 0.06061 0.04242 bigSumDummy-NNA-NNotSure-NZero = 165

# survey 2 summary -------------------------------------------------------------------------------------------------------

# Q14\_1 on my institution’s server

# NNone NSome NMost NAll NNotSure NZero NNA

# 229 218 139 131 15 0 283 bigSumDummy = 1015 bigSumDummy-NNA = 732

# 0.3194 0.304 0.1939 0.1827 bigSumDummy-NNA-NNotSure-NZero = 717

# Q14\_2 on the principal investigator’s server

# NNone NSome NMost NAll NNotSure NZero NNA

# 287 150 76 98 27 0 377 bigSumDummy = 1015 bigSumDummy-NNA = 638

# 0.4697 0.2455 0.1244 0.1604 bigSumDummy-NNA-NNotSure-NZero = 611

# Q14\_3 on a departmental server

# NNone NSome NMost NAll NNotSure NZero NNA

# 314 155 77 64 24 0 381 bigSumDummy = 1015 bigSumDummy-NNA = 634

# 0.5148 0.2541 0.1262 0.1049 bigSumDummy-NNA-NNotSure-NZero = 610

# Q14\_4 on my personal computer

# NNone NSome NMost NAll NNotSure NZero NNA

# 54 208 187 306 3 0 257 bigSumDummy = 1015 bigSumDummy-NNA = 758

# 0.07152 0.2755 0.2477 0.4053 bigSumDummy-NNA-NNotSure-NZero = 755

# Q14\_5 on paper in my office

# NNone NSome NMost NAll NNotSure NZero NNA

# 220 331 42 45 8 0 369 bigSumDummy = 1015 bigSumDummy-NNA = 646

# 0.3448 0.5188 0.06583 0.07053 bigSumDummy-NNA-NNotSure-NZero = 638

# Q14\_6 in a discipline-based repository, (e.g. NEON or LTER)

# NNone NSome NMost NAll NNotSure NZero NNA

# 428 106 43 13 24 0 401 bigSumDummy = 1015 bigSumDummy-NNA = 614

# 0.7254 0.1797 0.07288 0.02203 bigSumDummy-NNA-NNotSure-NZero = 590

# Q14\_7 in a publisher or publisher-related repository (e.g., specific publisher or Dryad)

# NNone NSome NMost NAll NNotSure NZero NNA

# 457 96 11 3 31 0 417 bigSumDummy = 1015 bigSumDummy-NNA = 598

# 0.806 0.1693 0.0194 0.005291 bigSumDummy-NNA-NNotSure-NZero = 567

# Q14\_8 other data repository or archive (e.g., national data center)

# NNone NSome NMost NAll NNotSure NZero NNA

# 403 134 33 22 25 0 398 bigSumDummy = 1015 bigSumDummy-NNA = 617

# 0.6807 0.2264 0.05574 0.03716 bigSumDummy-NNA-NNotSure-NZero = 592

# Q14\_9 in my institution’s repository

# NNone NSome NMost NAll NNotSure NZero NNA

# 387 124 38 27 25 0 414 bigSumDummy = 1015 bigSumDummy-NNA = 601

# 0.6719 0.2153 0.06597 0.04688 bigSumDummy-NNA-NNotSure-NZero = 576

# Q14\_10 other

# NNone NSome NMost NAll NNotSure NZero NNA

# 130 18 10 7 22 0 828 bigSumDummy = 1015 bigSumDummy-NNA = 187

# 0.7879 0.1091 0.06061 0.04242 bigSumDummy-NNA-NNotSure-NZero = 165

# ----survey 2 ----------------------------------------------------------

# finds and prints out all of the comments

# Q14\_Other… If you selected other, please specify

dummyQ = surveyTwo$Q14\_10\_TEXT; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (nchar(dummyQ[zz])>1) { print(paste(zz, nchar(dummyQ[zz]), dummyQ[zz])) } }

# Q – do people store data in multiple sites?

dummy2Q\_1 = surveyTwo$Q14\_1; dummyQ = dummy2Q\_1; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_1 = dummyQ

dummy2Q\_2 = surveyTwo$Q14\_2; dummyQ = dummy2Q\_2; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_2 = dummyQ

dummy2Q\_3 = surveyTwo$Q14\_3; dummyQ = dummy2Q\_3; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_3 = dummyQ

dummy2Q\_4 = surveyTwo$Q14\_4; dummyQ = dummy2Q\_4; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_4 = dummyQ

dummy2Q\_5 = surveyTwo$Q14\_5; dummyQ = dummy2Q\_5; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_5 = dummyQ

dummy2Q\_6 = surveyTwo$Q14\_6; dummyQ = dummy2Q\_6; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_6 = dummyQ

dummy2Q\_7 = surveyTwo$Q14\_7; dummyQ = dummy2Q\_7; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_7 = dummyQ

dummy2Q\_8 = surveyTwo$Q14\_8; dummyQ = dummy2Q\_8; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_8 = dummyQ

dummy2Q\_9 = surveyTwo$Q14\_9; dummyQ = dummy2Q\_9; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_9 = dummyQ

dummy2Q\_10 = surveyTwo$Q14\_10; dummyQ = dummy2Q\_10; dummyQ = replace(dummyQ, is.na(dummyQ), 999); dummy2Q\_10 = dummyQ

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

storageScore = c(rep(0,bigN2)); storageScore

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

if (as.integer(dummy2Q\_1[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_1[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_1[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_2[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_2[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_2[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_3[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_3[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_3[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_4[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_4[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_4[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_5[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_5[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_5[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_6[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_6[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_6[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_7[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_7[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_7[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_8[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_8[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_8[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_9[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_9[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_9[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

if (as.integer(dummy2Q\_10[zz]) == 2) { storageScore[zz]= storageScore[zz]+33.333 }

if (as.integer(dummy2Q\_10[zz]) == 3) { storageScore[zz]= storageScore[zz]+66.667 }

if (as.integer(dummy2Q\_10[zz]) == 4) { storageScore[zz]= storageScore[zz]+100 }

}

storageScore

dev.new()

message = 'storageScore survey2 Q14 July2019'

barcolors=c(Fern, RobinEggBlue, Cerulean, Violet, HotMagenta, Scarlet, MangoTango, Sunglow, LaserLemon, ScreaminGreen)

hist(storageScore, col = barcolors, breaks=seq(0,1000,25), main=message, right=FALSE)

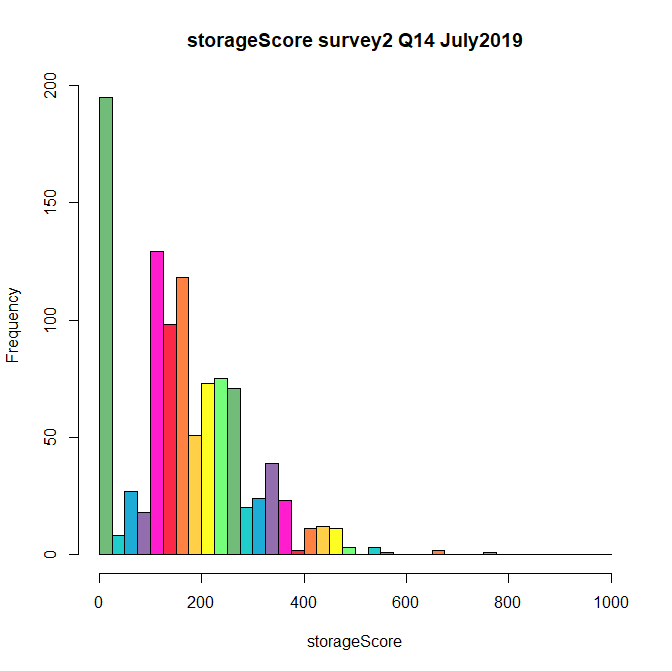
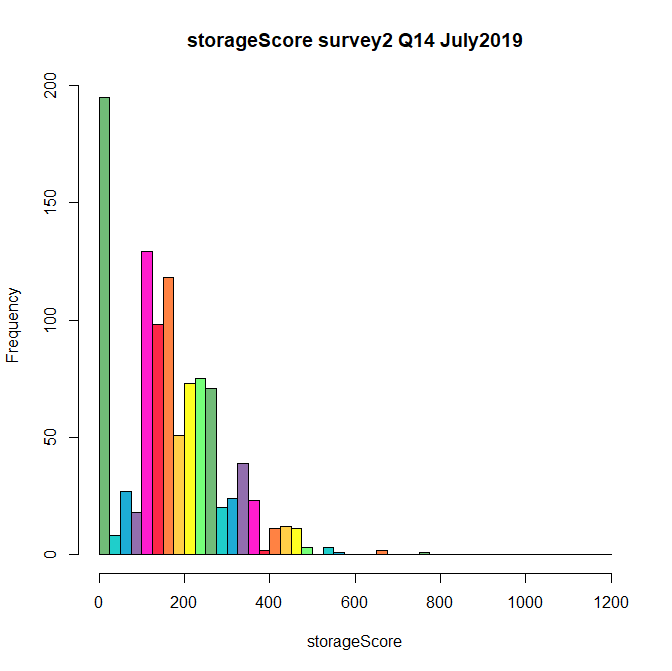
dev.new()

message = 'storageScore survey2 Q14 July2019'

barcolors=c(Fern, RobinEggBlue, Cerulean, Violet, HotMagenta, Scarlet, MangoTango, Sunglow, LaserLemon, ScreaminGreen)

hist(storageScore, col = barcolors, breaks=seq(0,1200,25), main=message, right=FALSE)

# Q – do people store data in multiple sites? A – yes, many do, but many don’t reply at all…

# survey 1 Question 5

# Q5. If some or all of your data are available to others, these data are available:

# none, some, most, all -- coded as text, or a " " for NA

surveyOne$Q5\_1

# Q5\_1 on my organization's website

dummy1Q = surveyOne$Q5\_1; dummyQ = dummy1Q;

# all responses coded as text: none, some, most, all, or " " for no entry

NNone=0; NSome=0; NMost=0; NAll=0; NNA=0

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

if (dummyQ[zz] == 'none' ) { NNone = 1+ NNone }

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

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

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

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

bigSumDummy = NNone+NSome+NMost+NAll+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4) ))

# NNone NSome NMost NAll NNA

# 495 378 143 62 251 bigSumDummy = 1329 bigSumDummy-NNA = 1078

# 0.4592 0.3506 0.1327 0.05751

# Q5\_2 on the principal investigator’s website

dummy1Q = surveyOne$Q5\_2; dummyQ = dummy1Q;

# all responses coded as text: none, some, most, all, or " " for no entry

NNone=0; NSome=0; NMost=0; NAll=0; NNA=0

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

if (dummyQ[zz] == 'none' ) { NNone = 1+ NNone }

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

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

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

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

bigSumDummy = NNone+NSome+NMost+NAll+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4) ))

# NNone NSome NMost NAll NNA

# 553 303 87 33 353 bigSumDummy = 1329 bigSumDummy-NNA = 976"

# 0.5666 0.3105 0.08914 0.03381

# Q5\_3 through a national network

dummy1Q = surveyOne$Q5\_3; dummyQ = dummy1Q;

# all responses coded as text: none, some, most, all, or " " for no entry

NNone=0; NSome=0; NMost=0; NAll=0; NNA=0

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

if (dummyQ[zz] == 'none' ) { NNone = 1+ NNone }

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

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

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

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

bigSumDummy = NNone+NSome+NMost+NAll+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4) ))

# NNone NSome NMost NAll NNA

# 470 331 153 60 315 bigSumDummy = 1329 bigSumDummy-NNA = 1014

# 0.4635 0.3264 0.1509 0.05917

# Q5\_4 through a regional network

dummy1Q = surveyOne$Q5\_4; dummyQ = dummy1Q;

# all responses coded as text: none, some, most, all, or " " for no entry

NNone=0; NSome=0; NMost=0; NAll=0; NNA=0

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

if (dummyQ[zz] == 'none' ) { NNone = 1+ NNone }

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

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

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

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

bigSumDummy = NNone+NSome+NMost+NAll+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4) ))

# NNone NSome NMost NAll NNA

# 579 238 58 20 434 bigSumDummy = 1329 bigSumDummy-NNA = 895

# 0.6469 0.2659 0.0648 0.02235

# Q5\_5 through a global network

dummy1Q = surveyOne$Q5\_5; dummyQ = dummy1Q;

# all responses coded as text: none, some, most, all, or " " for no entry

NNone=0; NSome=0; NMost=0; NAll=0; NNA=0

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

if (dummyQ[zz] == 'none' ) { NNone = 1+ NNone }

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

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

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

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

bigSumDummy = NNone+NSome+NMost+NAll+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4) ))

# NNone NSome NMost NAll NNA

# 550 242 111 52 374 bigSumDummy = 1329 bigSumDummy-NNA = 955

# 0.5759 0.2534 0.1162 0.05445

# Q5\_6 on my personal website

dummy1Q = surveyOne$Q5\_6; dummyQ = dummy1Q;

# all responses coded as text: none, some, most, all, or " " for no entry

NNone=0; NSome=0; NMost=0; NAll=0; NNA=0

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

if (dummyQ[zz] == 'none' ) { NNone = 1+ NNone }

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

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

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

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

bigSumDummy = NNone+NSome+NMost+NAll+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4) ))

# NNone NSome NMost NAll NNA

# 668 173 49 29 410 bigSumDummy = 1329 bigSumDummy-NNA = 919

# 0.7269 0.1882 0.05332 0.03156

# Q5\_7 other

dummy1Q = surveyOne$Q5\_7; dummyQ = dummy1Q;

# all responses coded as text: none, some, most, all, or " " for no entry

NNone=0; NSome=0; NMost=0; NAll=0; NNA=0

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

if (dummyQ[zz] == 'none' ) { NNone = 1+ NNone }

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

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

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

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

bigSumDummy = NNone+NSome+NMost+NAll+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4) ))

# NNone NSome NMost NAll NNA

# 370 94 47 56 762 bigSumDummy = 1329 bigSumDummy-NNA = 567

# 0.6526 0.1658 0.08289 0.09877

# survey 1 summary -------------------------------------------------------------------------------------------------------

# Q5\_1 on my organization's website

# NNone NSome NMost NAll NNA

# 495 378 143 62 251 bigSumDummy = 1329 bigSumDummy-NNA = 1078

# 0.4592 0.3506 0.1327 0.05751

# Q5\_2 on the principal investigator’s website

# NNone NSome NMost NAll NNA

# 553 303 87 33 353 bigSumDummy = 1329 bigSumDummy-NNA = 976"

# 0.5666 0.3105 0.08914 0.03381

# Q5\_3 through a national network

# NNone NSome NMost NAll NNA

# 470 331 153 60 315 bigSumDummy = 1329 bigSumDummy-NNA = 1014

# 0.4635 0.3264 0.1509 0.05917

# Q5\_4 through a regional network

# NNone NSome NMost NAll NNA

# 579 238 58 20 434 bigSumDummy = 1329 bigSumDummy-NNA = 895

# 0.6469 0.2659 0.0648 0.02235

# Q5\_5 through a global network

# NNone NSome NMost NAll NNA

# 550 242 111 52 374 bigSumDummy = 1329 bigSumDummy-NNA = 955

# 0.5759 0.2534 0.1162 0.05445

# Q5\_6 on my personal website

# NNone NSome NMost NAll NNA

# 668 173 49 29 410 bigSumDummy = 1329 bigSumDummy-NNA = 919

# 0.7269 0.1882 0.05332 0.03156

# Q5\_7 other

# NNone NSome NMost NAll NNA

# 370 94 47 56 762 bigSumDummy = 1329 bigSumDummy-NNA = 567

# 0.6526 0.1658 0.08289 0.09877

surveyOne$Q5\_text

dummyQ = surveyOne$Q5\_text; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN1) ) { if (nchar(dummyQ[zz])>1) { print(paste(zz, nchar(dummyQ[zz]), dummyQ[zz])) } }

# ------ asking the "OR" question for Survey 3 Q12. How much of your data do you currently store or deposit in the following locations? (For each location, choose only the one best answer) ------------------------

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

S3\_Q12\_1 On my institution's server

S3\_Q12\_2 On the principal investigator's server

S3\_Q12\_3 On a departmental server

S3\_Q12\_4 On my personal computer

S3\_Q12\_5 On paper in my office

S3\_Q12\_6 Thumb/external drive

S3\_Q12\_7 In a discipline-based repository (eg NEON or LTER)

S3\_Q12\_8 In a publisher or publisher-related (eg, specific publisher or Dryad)

S3\_Q12\_9 Other data repository or archive (eg, national data center)

S3\_Q12\_10 In my institution's repository

S3\_Q12\_11 Cloud storage

S3\_Q12\_12 Other

S3\_Q12\_Other If you selected other, please specify

dummyQ = surveyThree$Q12\_1; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_1 = dummyQ # On my institution's server

dummyQ = surveyThree$Q12\_2; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_2 = dummyQ # On the principal investigator's server

dummyQ = surveyThree$Q12\_3; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_3 = dummyQ # On a departmental server

dummyQ = surveyThree$Q12\_4; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_4 = dummyQ # On my personal computer

dummyQ = surveyThree$Q12\_5; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_5 = dummyQ # On paper in my office

dummyQ = surveyThree$Q12\_6; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_6 = dummyQ # Thumb/external drive

dummyQ = surveyThree$Q12\_7; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_7 = dummyQ # In a discipline-based repository (eg NEON or LTER)

dummyQ = surveyThree$Q12\_8; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_8 = dummyQ # In a publisher or publisher-related (eg, specific publisher or Dryad)

dummyQ = surveyThree$Q12\_9; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_9 = dummyQ # Other data repository or archive (eg, national data center)

dummyQ = surveyThree$Q12\_10; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_10 = dummyQ # In my institution's repository

dummyQ = surveyThree$Q12\_11; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_11 = dummyQ # Cloud storage

dummyQ = surveyThree$Q12\_12; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_12 = dummyQ # Other

dummyQ = surveyThree$Q12\_Other; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

dummyQS3\_Q12\_Other = dummyQ # If you selected other, please specify

for (zz in (1:bigN3) ) {

print(paste(zz,'=',dummyQS3\_Q12\_1[zz],dummyQS3\_Q12\_2[zz],dummyQS3\_Q12\_3[zz],dummyQS3\_Q12\_4[zz],dummyQS3\_Q12\_5[zz],dummyQS3\_Q12\_6[zz],dummyQS3\_Q12\_7[zz],dummyQS3\_Q12\_8[zz],dummyQS3\_Q12\_9[zz],dummyQS3\_Q12\_10[zz],dummyQS3\_Q12\_11[zz],dummyQS3\_Q12\_12[zz],dummyQS3\_Q12\_Other[zz]))

}

for (zz in (1:bigN3) ) {

print(paste(zz,'=',dummyQS3\_Q12\_7[zz],dummyQS3\_Q12\_8[zz],dummyQS3\_Q12\_9[zz],dummyQS3\_Q12\_12[zz],dummyQS3\_Q12\_Other[zz]))

}

# Q12\_9… Other data repository or archive (eg, national data center)

dummyQ = surveyThree$Q12\_9; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

# 1 = None of my data, 2 = Some of my data, 3 = Most of my data, 4 = All of my data, 5 = Not sure

NNone=0; NSome=0; NMost=0; NAll=0; NNotSure=0; NZero=0; NNA=0

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

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

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

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

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

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

if (as.integer(dummyQ[zz]) == 0) { NZero = 1+ NZero }

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

# NNone; NSome; NMost; NAll; NNotSure; NZero; NNA

bigSumDummy = NNone+NSome+NMost+NAll+NNotSure+NZero+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NNone,' ',NSome,' ',NMost,' ',NAll,' ',NNotSure,' ',NZero,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NNone/zzz,digits=4),' ',format(NSome/zzz,digits=4),' ',format(NMost/zzz,digits=4),' ', format(NAll/zzz,digits=4),' ', format(NNotSure/zzz,digits=4),' ', format(NZero/zzz,digits=4) ))

zz2=zzz-NNotSure-NZero

print(paste(' ',format(NNone/zz2,digits=4),' ',format(NSome/zz2,digits=4),' ',format(NMost/zz2,digits=4),' ', format(NAll/zz2,digits=4),' bigSumDummy-NNA-NNotSure-NZero = ',zz2))

# NNone NSome NMost NAll NNotSure NZero NNA

# 850 383 192 72 42 45 600 bigSumDummy = 2184 bigSumDummy-NNA = 1584

# 0.5366 0.2418 0.1212 0.04545 0.02652 0.02841

# 0.5678 0.2558 0.1283 0.0481 bigSumDummy-NNA-NNotSure-NZero = 1497

**# bigN1 [1] 1329 matches May2019 output**

**# bigN2 [1] 1015**

**# bigN3 [1] 2184**

# ---END--- asking the "OR" question for Survey 3 Q12. How much of your data… ---------------------------

# Josh B analyses

# Q05\_15\_12   --------- START ---------------------

################ COVARIATE ANALYSIS OF Q05\_15\_12 #################

### Survey Two

surveyTwo\_bad <- subset(surveyTwo, subset = Q14\_4 > 1 & Q14\_4 < 5 & Q14\_5 > 1 & Q14\_5 < 5 & Q14\_6==1 & Q14\_7==1 & Q14\_8==1 & Q14\_9==1)

surveyTwo\_reallybad <- subset(surveyTwo, subset = Q14\_4 > 2 & Q14\_4 < 5 & Q14\_5 > 1 & Q14\_5 < 5 & Q14\_6==1 & Q14\_7==1 & Q14\_8==1 & Q14\_9==1)

surveyTwo\_worst <- subset(surveyTwo, subset = Q14\_4 > 3 & Q14\_4 < 5 & Q14\_5 > 1 & Q14\_5 < 5 & Q14\_6==1 & Q14\_7==1 & Q14\_8==1 & Q14\_9==1)

S2\_bad <- nrow(surveyTwo\_bad)

S2\_reallybad <- nrow(surveyTwo\_reallybad)

S2\_worst <- nrow(surveyTwo\_worst)

S2\_tot <- nrow(surveyTwo)

print(paste('S2 Total  : ',' bad= ',S2\_bad,'   ',' really bad= ',S2\_reallybad,'   ',' worst= ',S2\_worst))

print(paste('S2 Percent:   ',' bad= ',(S2\_bad/S2\_tot),'   ',' really bad= ',(S2\_reallybad/S2\_tot),'   ',' worst= ',(S2\_worst/S2\_tot)))

# "S2 Total  : bad= 120       really bad= 98 worst=  65"

# "S2 Percent:      bad= 0.118226600985222       really bad= 0.096551724137931       worst= 0.0640394088669951"

### Survey Three

# Cloud storage considered a repository

surveyThree\_bad <- subset(surveyThree, subset = Q12\_4 > 1 & Q12\_4 < 5 &

                                                Q12\_5 > 1 & Q12\_5 < 5 &

                                                Q12\_6 > 1 & Q12\_6 < 5 &

                                                Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1 & Q12\_11==1)

surveyThree\_reallybad <- subset(surveyThree, subset = Q12\_4 > 2 & Q12\_4 < 5 &

                                                      Q12\_5 > 2 & Q12\_5 < 5 &

                                                      Q12\_6 > 2 & Q12\_6 < 5 &

                                                      Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1 & Q12\_11==1)

surveyThree\_worst <- subset(surveyThree, subset = Q12\_4 > 3 & Q12\_4 < 5 &

                                                  Q12\_5 > 3 & Q12\_5 < 5 &

                                                  Q12\_6 > 3 & Q12\_6 < 5 &

                                                  Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1 & Q12\_11==1)

# "S3 Total  : bad= 96       really bad= 17 worst=  8"

# "S3 Percent:      bad= 0.0945812807881773       really bad= 0.00778388278388278       worst= 0.00366300366300366"

# Cloud storage NOT considered a repository

surveyThree\_bad <- subset(surveyThree, subset = Q12\_4 > 1 & Q12\_4 < 5 &

                            Q12\_5 > 1 & Q12\_5 < 5 &

                            Q12\_6 > 1 & Q12\_6 < 5 &

                            Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1)

surveyThree\_reallybad <- subset(surveyThree, subset = Q12\_4 > 2 & Q12\_4 < 5 &

                                  Q12\_5 > 2 & Q12\_5 < 5 &

                                  Q12\_6 > 2 & Q12\_6 < 5 &

                                  Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1)

surveyThree\_worst <- subset(surveyThree, subset = Q12\_4 > 3 & Q12\_4 < 5 &

                              Q12\_5 > 3 & Q12\_5 < 5 &

                              Q12\_6 > 3 & Q12\_6 < 5 &

                              Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1)

# "S3 Total  : bad= 200       really bad= 31 worst=  12"

# "S3 Percent:      bad= 0.197044334975369       really bad= 0.0141941391941392       worst= 0.00549450549450549"

# Cloud storage considered local/private

surveyThree\_bad <- subset(surveyThree, subset = Q12\_4 > 1 & Q12\_4 < 5 &

                            Q12\_5 > 1 & Q12\_5 < 5 &

                            Q12\_6 > 1 & Q12\_6 < 5 &

                            Q12\_11 > 1 & Q12\_11 < 5

                            Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1)

surveyThree\_reallybad <- subset(surveyThree, subset = Q12\_4 > 2 & Q12\_4 < 5 &

                                  Q12\_5 > 2 & Q12\_5 < 5 &

                                  Q12\_6 > 2 & Q12\_6 < 5 &

                                  Q12\_11 > 1 & Q12\_11 < 5 &

                                  Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1)

surveyThree\_worst <- subset(surveyThree, subset = Q12\_4 > 3 & Q12\_4 < 5 &

                              Q12\_5 > 3 & Q12\_5 < 5 &

                              Q12\_6 > 3 & Q12\_6 < 5 &

                              Q12\_11 > 1 & Q12\_11 < 5 &

                              Q12\_7==1 & Q12\_7==1 & Q12\_9==1 & Q12\_10==1)

# "S3 Total  : bad= 200       really bad= 14 worst=  4"

# "S3 Percent:      bad= 0.197044334975369       really bad= 0.00641025641025641       worst= 0.00183150183150183"

# Print results

S3\_bad <- nrow(surveyThree\_bad)

S3\_reallybad <- nrow(surveyThree\_reallybad)

S3\_worst <- nrow(surveyThree\_worst)

S3\_tot <- nrow(surveyThree)

print(paste('S3 Total  : ',' bad= ',S3\_bad,'   ',' really bad= ',S3\_reallybad,'   ',' worst= ',S3\_worst))

print(paste('S3 Percent:   ',' bad= ',(S3\_bad/S2\_tot),'   ',' really bad= ',(S3\_reallybad/S3\_tot),'   ',' worst= ',(S3\_worst/S3\_tot)))

**# All results**

**# Survey 2**

**# "S2 Total  : bad= 120       really bad= 98 worst=  65"**

**# "S2 Percent:      bad= 0.118226600985222       really bad= 0.096551724137931       worst= 0.0640394088669951"**

**# Survey 3 - Cloud = repository (good)**

**# "S3 Total  : bad= 96       really bad= 17 worst=  8"**

**# "S3 Percent:      bad= 0.0945812807881773       really bad= 0.00778388278388278       worst= 0.00366300366300366"**

**# Survey 3 - Cloud = server (neutral)**

**# "S3 Total  : bad= 200       really bad= 31 worst=  12"**

**# "S3 Percent:      bad= 0.197044334975369       really bad= 0.0141941391941392       worst= 0.00549450549450549"**

**# Survey 3 - Cloud = local (bad)**

**# "S3 Total  : bad= 200       really bad= 14 worst=  4"**

**# "S3 Percent:      bad= 0.197044334975369       really bad= 0.00641025641025641       worst= 0.00183150183150183"**

Joshua Borycz

Aug 7, 2019, 1:10 PM (2 days ago)

to me, Natalie

Hello Bruce,

Sorry I took so long to do this. I waisted time making things more complicated than they should be. I added the codependent analysis of question 05\_15\_12 to the survey 123 analyses U&A JulyAug2019 document. I only did surveys 2 and 3 because they are the ones that had the questions about actual storage locations. Since cloud storage was not an option in survey 2 I computed the results in survey 3 with cloud considered a repository (good), server (neutral), and a local (bad) storage option.

Bad means that respondents answered some, most, or all for local (bad) storage options AND none for repository (good).

Really Bad means that respondents answered most or all for local (bad) storage options AND none for repository (good).

Worst means that respondents answered all for local (bad) storage options AND none for repository (good).

Let me know if you think I should perform some other analysis.

The results are,

Cloud storage Survey bad really bad worst

Total % Total % Total %

Not asked 2 120 11.8 98 9.7 65 6.4

Repository 3 96 9.5 17 0.8 8 0.3

Server 3 200 19.7 31 1.4 12 0.5

Local 3 200 19.7 14 0.6 4 0.2

Best,

Joshua

The results are,

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Cloud storage** | **Survey** | **bad** | | **really bad** | | **worst** | |
|  |  | **Total** | **%** | **Total** | **%** | **Total** | **%** |
| **Not asked** | **2** | 120 | 11.8 | 98 | 9.7 | 65 | 6.4 |
| **Repository** | **3** | 96 | 9.5 | 17 | 0.8 | 8 | 0.3 |
| **Server** | **3** | 200 | 19.7 | 31 | 1.4 | 12 | 0.5 |
| **Local** | **3** | 200 | 19.7 | 14 | 0.6 | 4 | 0.2 |

Best,

Joshua

**# Q05\_15\_12   --------- END ---------------------**

# DEMO CODE comparing Surveys 123 & plotting ----------------------------------------------------

# ---------- START of plotting test for 5 response categories ---------------------------------------------------------------------------

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

dummyQV

dummyQV[1,]=c(0.6, 0.2, 0.1, 0.05, 0.05, 567) # data are plotted left to right as they appear in the vectors

dummyQV[2,]=c(0.5, 0.2, 0.1, 0.1, 0.1, 919)

dummyQV[3,]=c(0.2, 0.5, 0.1, 0.1, 0.1, 100)

dummyQV

message1 = 'test data 5 categories plus Nsize'

dev.new()

x1 = -10; x2 = 100; y1 = 0; y2 = 4; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message1); dy=1; y1=0.5; x1=0

for (zz in 1:3) { # print(dummyQV[zz,4])

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

}

# manual legend

dx = 3; dy=0.15;x1 = 0;y1=3.8

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+11, y1+dy/2,"agree strongly", cex=0.6); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+7, y1+dy/2,"agree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+8, y1+dy/2,"neither", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Sunglow); text(x1+8, y1+dy/2,"disagree", cex=0.6); x1=x1+19

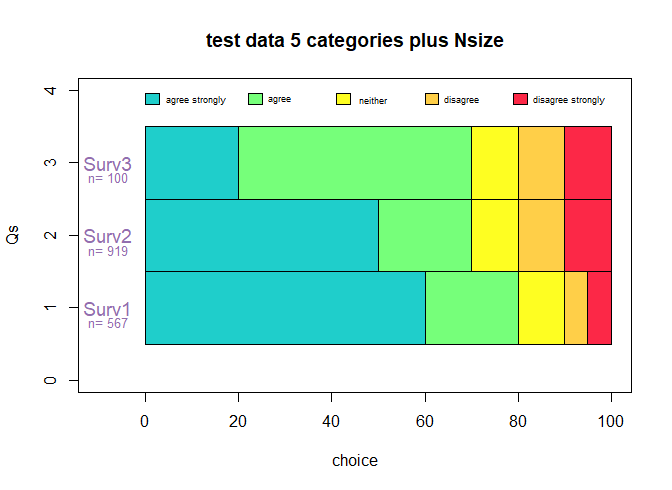
rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+12, y1+dy/2,"disagree strongly", cex=0.6 ); x1=x1+19

text(-8, 1,"Surv1", cex=1.2, col=Violet ); text(-8, 2,"Surv2", cex=1.2, col=Violet ); text(-8, 3,"Surv3", cex=1.2, col=Violet )

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)



# ---------- START of plotting test for 4 response categories ---------------------------------------------------------------------------

dummyQV = matrix( data=c( rep(0,5), rep(0,5), rep(0,5)), nr=3, nc=5)

dummyQV

dummyQV[1,]=c(0.6526, 0.1658, 0.08289, 0.09877, 567) # data are plotted left to right as they appear in the vectors

dummyQV[2,]=c(0.5759, 0.2534, 0.1162, 0.05445, 919)

dummyQV[3,]=c(0.25, 0.25, 0.25, 0.25, 100)

dummyQV

message1 = 'test data'

dev.new()

x1 = -10; x2 = 100; y1 = 0; y2 = 4; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message1); dy=1; y1=0.5; x1=0

for (zz in 1:3) { # print(dummyQV[zz,4])

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 ALL

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 MOST

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 SOME

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,4]; yt2 = y1+(zz\*dy)

rect(xt1,yt1,xt2,yt2, col= MangoTango) # choice NONE

}

# manual legend

dx = 5; dy=0.2;x1 = 0;y1=3.8

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+10, y1+dy/2,"All", cex=1.3 ); x1=x1+20

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+12, y1+dy/2,"Most", cex=1.3 ); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+12, y1+dy/2,"Some", cex=1.3 ); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= MangoTango); text(x1+12, y1+dy/2,"None", cex=1.3 ); x1=x1+22

text(-8, 1,"Surv1", cex=1.2, col=Violet ); text(-8, 2,"Surv2", cex=1.2, col=Violet ); text(-8, 3,"Surv3", cex=1.2, col=Violet )

zzz=paste('n=',as.character(dummyQV[1,5])); text(-8,0.8,zzz, cex=0.8, col=Violet)

zzz=paste('n=',as.character(dummyQV[2,5])); text(-8,1.8,zzz, cex=0.8, col=Violet)

zzz=paste('n=',as.character(dummyQV[3,5])); text(-8,2.8,zzz, cex=0.8, col=Violet)



# ---------- START of plotting test for 3 response categories ---------------------------------------------------------------------------

dummyQV = matrix( data=c( rep(0,4), rep(0,4), rep(0,4)), nr=3, nc=4)

dummyQV

dummyQV[1,]=c(0.6, 0.1, 0.3, 567) # data are plotted left to right as they appear in the vectors

dummyQV[2,]=c(0.5, 0.2, 0.3, 919)

dummyQV[3,]=c(0.25, 0.25, 0.5, 100)

dummyQV

message1 = 'test data'

dev.new()

x1 = -10; x2 = 100; y1 = 0; y2 = 4; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message1); dy=1; y1=0.5; x1=0

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 Yes

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,2]; yt2 = y1+(zz\*dy)

rect(xt1,yt1,xt2,yt2, col= MangoTango) # choice No

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 DKnow

}

# manual legend

dx = 5; dy=0.2;x1 = 0;y1=3.8

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+11, y1+dy/2,"Yes", cex=1.3 ); x1=x1+20

rect(x1, y1, x1+dx, y1+dy, col= MangoTango); text(x1+10, y1+dy/2,"No", cex=1.3 ); x1=x1+20

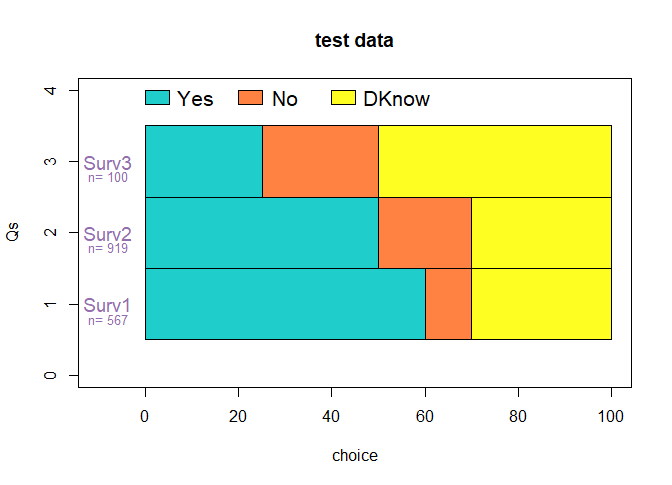
rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+14, y1+dy/2,"DKnow", cex=1.3 ); x1=x1+22

text(-8, 1,"Surv1", cex=1.2, col=Violet ); text(-8, 2,"Surv2", cex=1.2, col=Violet ); text(-8, 3,"Surv3", cex=1.2, col=Violet )

zzz=paste('n=',as.character(dummyQV[1,4])); text(-8,0.8,zzz, cex=0.8, col=Violet)

zzz=paste('n=',as.character(dummyQV[2,4])); text(-8,1.8,zzz, cex=0.8, col=Violet)

zzz=paste('n=',as.character(dummyQV[3,4])); text(-8,2.8,zzz, cex=0.8, col=Violet)



# ---------- END of plotting test ---------------------------------------------------------------------------------------------------

# comparing Surveys 123 & plotting ---------NOT COMPLETED ---------------------

# survey 3 Q12\_7… In a discipline-based repository (eg NEON or LTER)

# NNone NSome NMost NAll NNotSure NZero NNA

# 1074 218 92 31 62 59 648 bigSumDummy = 2184 bigSumDummy-NNA = 1536

# 0.759 0.1541 0.06502 0.02191 bigSumDummy-NNA-NNotSure-NZero = 1415

# survey 3 Q12\_8… In a publisher or publisher-related (eg, specific publisher or Dryad) "

# NNone NSome NMost NAll NNotSure NZero NNA

# 1030 334 53 19 45 60 643 bigSumDummy = 2184 bigSumDummy-NNA = 1541

# 0.7173 0.2326 0.03691 0.01323 bigSumDummy-NNA-NNotSure-NZero = 1436

# survey 3 Q12\_9… Other data repository or archive (eg, national data center)

# NNone NSome NMost NAll NNotSure NZero NNA

# 850 383 192 72 42 45 600 bigSumDummy = 2184 bigSumDummy-NNA = 1584

# 0.5678 0.2558 0.1283 0.0481 bigSumDummy-NNA-NNotSure-NZero = 1497

# survey 2 Q14\_6 in a discipline-based repository, (e.g. NEON or LTER)

# NNone NSome NMost NAll NNotSure NZero NNA

# 428 106 43 13 24 0 401 bigSumDummy = 1015 bigSumDummy-NNA = 614

# 0.7254 0.1797 0.07288 0.02203 bigSumDummy-NNA-NNotSure-NZero = 590

# survey 2 Q14\_7 in a publisher or publisher-related repository (e.g., specific publisher or Dryad)

# NNone NSome NMost NAll NNotSure NZero NNA

# 457 96 11 3 31 0 417 bigSumDummy = 1015 bigSumDummy-NNA = 598

# 0.806 0.1693 0.0194 0.005291 bigSumDummy-NNA-NNotSure-NZero = 567

# survey 2 Q14\_8 other data repository or archive (e.g., national data center)

# NNone NSome NMost NAll NNotSure NZero NNA

# 403 134 33 22 25 0 398 bigSumDummy = 1015 bigSumDummy-NNA = 617

# 0.6807 0.2264 0.05574 0.03716 bigSumDummy-NNA-NNotSure-NZero = 592

# survey 1 Q5\_3 through a national network

# NNone NSome NMost NAll NNA

# 470 331 153 60 315 bigSumDummy = 1329 bigSumDummy-NNA = 1014

# 0.4635 0.3264 0.1509 0.05917

# survey 1 Q5\_4 through a regional network

# NNone NSome NMost NAll NNA

# 579 238 58 20 434 bigSumDummy = 1329 bigSumDummy-NNA = 895

# 0.6469 0.2659 0.0648 0.02235

# survey 1 Q5\_5 through a global network

# NNone NSome NMost NAll NNA

# 550 242 111 52 374 bigSumDummy = 1329 bigSumDummy-NNA = 955

# 0.5759 0.2534 0.1162 0.05445

# survey 3 Q12\_10…In my institution's repository

# NNone NSome NMost NAll NNotSure NZero NNA

# 858 357 133 122 41 42 631 bigSumDummy = 2184 bigSumDummy-NNA = 1553

# 0.5837 0.2429 0.09048 0.08299 bigSumDummy-NNA-NNotSure-NZero = 1470

# survey 2 Q14\_9 in my institution’s repository

# NNone NSome NMost NAll NNotSure NZero NNA

# 387 124 38 27 25 0 414 bigSumDummy = 1015 bigSumDummy-NNA = 601

# 0.6719 0.2153 0.06597 0.04688 bigSumDummy-NNA-NNotSure-NZero = 576

# survey 3 Q12\_11… Cloud storage

# NNone NSome NMost NAll NNotSure NZero NNA

# 686 479 184 191 20 33 591 bigSumDummy = 2184 bigSumDummy-NNA = 1593

# 0.4455 0.311 0.1195 0.124 bigSumDummy-NNA-NNotSure-NZero = 1540

# survey 3 Q12\_12… Other {storage depository}

# NNone NSome NMost NAll NNotSure NZero NNA

# 713 56 18 33 159 0 1205 bigSumDummy = 2184 bigSumDummy-NNA = 979

# 0.8695 0.06829 0.02195 0.04024 bigSumDummy-NNA-NNotSure-NZero = 820

# survey 2 Q14\_10 other

# NNone NSome NMost NAll NNotSure NZero NNA

# 130 18 10 7 22 0 828 bigSumDummy = 1015 bigSumDummy-NNA = 187

# 0.7879 0.1091 0.06061 0.04242 bigSumDummy-NNA-NNotSure-NZero = 165

# survey 1 Q5\_7 other

# NNone NSome NMost NAll NNA

# 370 94 47 56 762 bigSumDummy = 1329 bigSumDummy-NNA = 567

# 0.6526 0.1658 0.08289 0.09877

# survey 1 Q5\_1 on my organization's website

# NNone NSome NMost NAll NNA

# 495 378 143 62 251 bigSumDummy = 1329 bigSumDummy-NNA = 1078

# 0.4592 0.3506 0.1327 0.05751

# survey 1 Q5\_2 on the principal investigator’s website

# NNone NSome NMost NAll NNA

# 553 303 87 33 353 bigSumDummy = 1329 bigSumDummy-NNA = 976"

# 0.5666 0.3105 0.08914 0.03381

# survey 1 Q5\_6 on my personal website

# NNone NSome NMost NAll NNA

# 668 173 49 29 410 bigSumDummy = 1329 bigSumDummy-NNA = 919

# 0.7269 0.1882 0.05332 0.03156

# survey 3 Q12\_1… On my institution's server

# NNone NSome NMost NAll NNotSure NZero NNA

# 469 468 333 407 21 29 457 bigSumDummy = 2184 bigSumDummy-NNA = 1727

# 0.2797 0.2791 0.1986 0.2427 bigSumDummy-NNA-NNotSure-NZero = 1677

# survey 2 Q14\_1 on my institution’s server

# NNone NSome NMost NAll NNotSure NZero NNA

# 229 218 139 131 15 0 283 bigSumDummy = 1015 bigSumDummy-NNA = 732

# 0.3194 0.304 0.1939 0.1827 bigSumDummy-NNA-NNotSure-NZero = 717

# survey 3 Q12\_2… On the principal investigator's server

# NNone NSome NMost NAll NNotSure NZero NNA

# 655 342 240 282 33 46 586 bigSumDummy = 2184 bigSumDummy-NNA = 1598

# 0.4312 0.2251 0.158 0.1856 bigSumDummy-NNA-NNotSure-NZero = 1519

# survey 2 Q14\_2 on the principal investigator’s server

# NNone NSome NMost NAll NNotSure NZero NNA

# 287 150 76 98 27 0 377 bigSumDummy = 1015 bigSumDummy-NNA = 638

# 0.4697 0.2455 0.1244 0.1604 bigSumDummy-NNA-NNotSure-NZero = 611

# survey 3 Q12\_3… On a departmental server

# NNone NSome NMost NAll NNotSure NZero NNA

# 809 342 192 146 25 42 628 bigSumDummy = 2184 bigSumDummy-NNA = 1556

# 0.5433 0.2297 0.1289 0.09805 bigSumDummy-NNA-NNotSure-NZero = 1489

# survey 2 Q14\_3 on a departmental server

# NNone NSome NMost NAll NNotSure NZero NNA

# 314 155 77 64 24 0 381 bigSumDummy = 1015 bigSumDummy-NNA = 634

# 0.5148 0.2541 0.1262 0.1049 bigSumDummy-NNA-NNotSure-NZero = 610

# survey 3 Q12\_4… On my personal computer

# NNone NSome NMost NAll NNotSure NZero NNA

# 161 503 356 718 6 9 431 bigSumDummy = 2184 bigSumDummy-NNA = 1753

# 0.09264 0.2894 0.2048 0.4131 bigSumDummy-NNA-NNotSure-NZero = 1738

# survey 2 Q14\_4 on my personal computer

# NNone NSome NMost NAll NNotSure NZero NNA

# 54 208 187 306 3 0 257 bigSumDummy = 1015 bigSumDummy-NNA = 758

# 0.07152 0.2755 0.2477 0.4053 bigSumDummy-NNA-NNotSure-NZero = 755

# survey 3 Q12\_5… On paper in my office

# NNone NSome NMost NAll NNotSure NZero NNA

# 698 654 116 81 9 15 611 bigSumDummy = 2184 bigSumDummy-NNA = 1573

# 0.4506 0.4222 0.07489 0.05229 bigSumDummy-NNA-NNotSure-NZero = 1549

# survey 2 Q14\_5 on paper in my office

# NNone NSome NMost NAll NNotSure NZero NNA

# 220 331 42 45 8 0 369 bigSumDummy = 1015 bigSumDummy-NNA = 646

# 0.3448 0.5188 0.06583 0.07053 bigSumDummy-NNA-NNotSure-NZero = 638

# survey 3 Q12\_6… Thumb/external drive

# NNone NSome NMost NAll NNotSure NZero NNA

# 557 496 184 281 24 23 619 bigSumDummy = 2184 bigSumDummy-NNA = 1565

# 0.3669 0.3267 0.1212 0.1851 bigSumDummy-NNA-NNotSure-NZero = 1518

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

# Q06\_16\_13 ---------------------------- START ----------------------------------------

|  |  |  |  |
| --- | --- | --- | --- |
| 06\_16\_13  attitudes about barriers to sharing one's data | Q6 If your data **are not available electronically to others, why not** (check all that apply)? {all choices are either "Yes" or "No"}  Q6\_1 Lack of funding  Q6\_2 Lack of standards  Q6\_3 People don’t need them.  Q6\_4 There is insufficient time to make them available.  Q6\_5 There is no place to put them.  Q6\_6 They shouldn't be available  Q6\_7 Sponsor doesn't require it  Q6\_8 Don't have the rights to make the data public  Q6\_9 Other (please specify)  Q6\_text | Q16 If all or part of your **data are not available to others, why not?** (Choose all that apply.) {1=yes, 2= no, NA=no response}  Q16\_1 Lack of funding  Q16\_2 Lack of standards  Q16\_3 People don’t need them  Q16\_4 There is insufficient time to make them available  Q16\_5 There is no place to put them  Q16\_6 They shouldn't be available  Q16\_7 Sponsor doesn't require it  Q16\_8 Don't have the rights to make the data public  Q16\_9 I would lose control of the data  Q16\_10 I need to publish first  Q16\_11 I have insufficient skills to make my data available  Q16\_12 Other (please specify)  Q16\_12\_TEXT | Q13 If all or part of your data **are not available to others, why not**? (Choose all that apply.) {all choices are either 1=Yes or NA}  Q13\_1 Lack of funding  Q13\_2 Lack of standards  Q13\_3 People don’t need them  Q13\_4 There is insufficient time to make them available  Q13\_5 There is no place to put them  Q13\_6 Sponsor doesn't require it  Q13\_7 Don't have the rights to make the data public  Q13\_8 I would lose control of the data  Q13\_9 I need to publish first  Q13\_10 I have insufficient skills to make my data available  Q13\_11 Other  Q13\_Other If you selected other, please specify |

# SURVEY 1

# Q6 If your data **are not available electronically to others, why not** (check all that apply)?

dummy1Q6\_1 = surveyOne$Q6\_1 # Q6\_1 Lack of funding

dummy1Q6\_2 = surveyOne$Q6\_2 # Q6\_2 Lack of standards

dummy1Q6\_3 = surveyOne$Q6\_3 # Q6\_3 People don’t need them.

dummy1Q6\_4 = surveyOne$Q6\_4 # Q6\_4 There is insufficient time to make them available.

dummy1Q6\_5 = surveyOne$Q6\_5 # Q6\_5 There is no place to put them.

dummy1Q6\_6 = surveyOne$Q6\_6 # Q6\_6 They shouldn't be available

dummy1Q6\_7 = surveyOne$Q6\_7 # Q6\_7 Sponsor doesn't require it

dummy1Q6\_8 = surveyOne$Q6\_8 # Q6\_8 Don't have the rights to make the data public

dummy1Q6\_9 = surveyOne$Q6\_9 # Q6\_9 Other (please specify)

dummy1Q6\_text = surveyOne$Q6\_text # Q6\_text

dummy1Q6\_1

dummyQ = dummy1Q6\_1; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

LackFunding1 = NYes

# NYes NNo bigSumDummy

# 445 884 1329

# 0.3348 0.6652

dummyQ = dummy1Q6\_2; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

LackStandards1 = NYes

# NYes NNo bigSumDummy

# 222 1107 1329"

# 0.167 0.833

dummyQ = dummy1Q6\_3; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NotNeeded1 = NYes

# NYes NNo bigSumDummy

# 169 1160 1329

# 0.1272 0.8728

dummyQ = dummy1Q6\_4; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

InsufficientTime1 = NYes

# NYes NNo bigSumDummy

# 603 726 1329"

# 0.4537 0.5463

dummyQ = dummy1Q6\_5; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NoPlace1 = NYes

# NYes NNo bigSumDummy

# 264 1065 1329

# 0.1986 0.8014

dummyQ = dummy1Q6\_6; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

Shouldnt1 = NYes

# NYes NNo bigSumDummy

# 162 1167 1329

# 0.1219 0.8781

dummyQ = dummy1Q6\_7; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NotRequired1 = NYes

# NYes NNo bigSumDummy

# 196 1133 1329

# 0.1475 0.8525

dummyQ = dummy1Q6\_8; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NoRights1 = NYes

# NYes NNo bigSumDummy

# 271 1058 1329

# 0.2039 0.7961

dummyQ = dummy1Q6\_9; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

Other1 = NYes

# NYes NNo bigSumDummy

# 164 1165 1329

# 0.1234 0.8766

# SURVEY 2 -----------------------------------------------------------------------------------------------------------------------------

# Q16 If all or part of your **data are not available to others, why not?** (Choose all that apply.) {1=yes, 2= no, NA=no response}

dummy2Q16\_1 = surveyTwo$Q16\_1 # Q16\_1 Lack of funding

dummy2Q16\_2 = surveyTwo$Q16\_2 # Q16\_2 Lack of standards

dummy2Q16\_3 = surveyTwo$Q16\_3 # Q16\_3 People don’t need them

dummy2Q16\_4 = surveyTwo$Q16\_4 # Q16\_4 There is insufficient time to make them available

dummy2Q16\_5 = surveyTwo$Q16\_5 # Q16\_5 There is no place to put them

dummy2Q16\_6 = surveyTwo$Q16\_6 # Q16\_6 They shouldn't be available

dummy2Q16\_7 = surveyTwo$Q16\_7 # Q16\_7 Sponsor doesn't require it

dummy2Q16\_8 = surveyTwo$Q16\_8 # Q16\_8 Don't have the rights to make the data public

dummy2Q16\_9 = surveyTwo$Q16\_9 # Q16\_9 I would lose control of the data \*\*\*\* NEW Q \*\*\*\*

dummy2Q16\_10 = surveyTwo$Q16\_10 # Q16\_10 I need to publish first \*\*\*\* NEW Q \*\*\*\*

dummy2Q16\_11 = surveyTwo$Q16\_11 # Q16\_11 I have insufficient skills to make my data available \*\*\*\* NEW Q \*\*\*\*

dummy2Q16\_12 = surveyTwo$Q16\_12 # Q16\_12 Other (please specify)

dummy2Q16\_12\_TEXT = surveyTwo$Q16\_12\_TEXT # Q16\_12\_TEXT

dummy2Q16\_1

dummy2Q16\_12\_TEXT

dummyQ = dummy2Q16\_1; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

LackFunding2 = NYes

# NYes NNo bigSumDummy

# 169 846 1015

# 0.1665 0.8335

dummyQ = dummy2Q16\_2; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

LackStandards2 = NYes

# NYes NNo bigSumDummy

# 123 892 1015

# 0.1212 0.8788

dummyQ = dummy2Q16\_3; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NotNeeded2 = NYes

# NYes NNo bigSumDummy

# 170 845 1015

# 0.1675 0.8325

dummyQ = dummy2Q16\_4; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

InsufficientTime2 = NYes

# NYes NNo bigSumDummy

# 265 750 1015

# 0.2611 0.7389

dummyQ = dummy2Q16\_5; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NoPlace2 = NYes

# NYes NNo bigSumDummy

# 125 890 1015

# 0.1232 0.8768

dummyQ = dummy2Q16\_6; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

Shouldnt2 = NYes

# NYes NNo bigSumDummy

# 90 925 1015

# 0.08867 0.9113

dummyQ = dummy2Q16\_7; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NotRequired2 = NYes

# NYes NNo bigSumDummy

# 104 911 1015

# 0.1025 0.8975

dummyQ = dummy2Q16\_8; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NoRights2 = NYes

# NYes NNo bigSumDummy

# 179 836 1015

# 0.1764 0.8236

dummyQ = dummy2Q16\_9; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

LoseControl2 = NYes

# NYes NNo bigSumDummy

# 70 945 1015

# 0.06897 0.931

dummyQ = dummy2Q16\_10; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NeedToPublish2 = NYes

# NYes NNo bigSumDummy

# 299 716 1015

# 0.2946 0.7054

dummyQ = dummy2Q16\_11; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

InsufficientSkills2 = NYes

# NYes NNo bigSumDummy

# 91 924 1015

# 0.08966 0.9103

dummyQ = dummy2Q16\_12; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

Other2 = NYes

# NYes NNo bigSumDummy

# 64 951 1015

# 0.06305 0.9369

# SURVEY 3 -----------------------------------------------------------------------------------------------------------------------------

# Q13 If all or part of your data **are not available to others, why not**? (Choose all that apply.) {all choices are either 1=Yes or NA}

dummy3Q13\_1 = surveyThree$Q13\_1 # Q13\_1 Lack of funding

dummy3Q13\_2 = surveyThree$Q13\_2 # Q13\_2 Lack of standards

dummy3Q13\_3 = surveyThree$Q13\_3 # Q13\_3 People don’t need them

dummy3Q13\_4 = surveyThree$Q13\_4 # Q13\_4 There is insufficient time to make them available

dummy3Q13\_5 = surveyThree$Q13\_5 # Q13\_5 There is no place to put them

dummy3Q13\_6 = surveyThree$Q13\_6 # Q13\_6 Sponsor doesn't require it

dummy3Q13\_7 = surveyThree$Q13\_7 # Q13\_7 Don't have the rights to make the data public

dummy3Q13\_8 = surveyThree$Q13\_8 # Q13\_8 I would lose control of the data

dummy3Q13\_9 = surveyThree$Q13\_9 # Q13\_9 I need to publish first

dummy3Q13\_10 = surveyThree$Q13\_10 # Q13\_10 I have insufficient skills to make my data available

dummy3Q13\_11 = surveyThree$Q13\_11 # Q13\_11 Other

dummy3Q13\_Other = surveyThree$Q13\_Other # Q13\_Other If you selected other, please specify

dummy3Q13\_1

dummy3Q13\_Other

dummyQ = dummy3Q13\_1; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

LackFunding3 = NYes

# NYes NNo bigSumDummy

# 433 1751 2184

# 0.1983 0.8017

dummyQ = dummy3Q13\_2; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

LackStandards3 = NYes

# NYes NNo bigSumDummy

# 354 1830 2184

# 0.1621 0.8379

dummyQ = dummy3Q13\_3; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NotNeeded3 = NYes

# NYes NNo bigSumDummy

# 323 1861 2184

# 0.1479 0.8521

dummyQ = dummy3Q13\_4; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

InsufficientTime3 = NYes

# NYes NNo bigSumDummy

# 578 1606 2184

# 0.2647 0.7353

dummyQ = dummy3Q13\_5; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NoPlace3 = NYes

# NYes NNo bigSumDummy

# 299 1885 2184

# 0.1369 0.8631

dummyQ = dummy3Q13\_6; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NotRequired3 = NYes

# NYes NNo bigSumDummy

# 359 1825 2184

# 0.1644 0.8356

dummyQ = dummy3Q13\_7; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NoRights3 = NYes

# NYes NNo bigSumDummy

# 495 1689 2184

# 0.2266 0.7734

dummyQ = dummy3Q13\_8; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

LoseControl3 = NYes

# NYes NNo bigSumDummy

# 206 1978 2184

# 0.09432 0.9057

dummyQ = dummy3Q13\_9; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NeedToPublish3 = NYes

# NYes NNo bigSumDummy

# 767 1417 2184

# 0.3512 0.6488

dummyQ = dummy3Q13\_10; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

InsufficientSkills3 = NYes

# NYes NNo bigSumDummy

# 219 1965 2184

# 0.1003 0.8997

dummyQ = dummy3Q13\_11; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

Other3 = NYes

# NYes NNo bigSumDummy

# 182 2002 2184

# 0.08333 0.9167

message1 = 'survey 1, data sharing (n=1329) ver. Aug2019'

dataSharingPie = c(LackFunding1, LackStandards1, NotNeeded1, InsufficientTime1, NoPlace1, Shouldnt1, NotRequired1, NoRights1, Other1)

slices=c('Lack of funding', 'Lack of standards', 'People don’t need them', 'Insufficient time', 'No place to put them', 'Shouldn\'t be available', 'Sponsor doesn\'t require it', 'No rights to make data public', 'Other')

slicecolors=c(Violet, Blue, RobinEggBlue, CaribbeanGreen, ScreaminGreen, LaserLemon, MangoTango, PinkFlamingo, Scarlet)

dev.new(); pie(dataSharingPie, labels = slices, col = slicecolors, main=message1, init.angle=-20)

message2 = 'survey 2, data sharing (n=1015) ver. Aug2019'

dataSharingPie2 = c(LackFunding2, LackStandards2, NotNeeded2, InsufficientTime2, NoPlace2, Shouldnt2, NotRequired2, NoRights2, Other2)

slices=c('Lack of funding', 'Lack of standards', 'People don’t need them', 'Insufficient time', 'No place to put them', 'Shouldn\'t be available', 'Sponsor doesn\'t require it', 'No rights to make data public', 'Other')

slicecolors=c(Violet, Blue, RobinEggBlue, CaribbeanGreen, ScreaminGreen, LaserLemon, MangoTango, PinkFlamingo, Scarlet)

dev.new(); pie(dataSharingPie2, labels = slices, col = slicecolors, main=message2, init.angle=-20)

#ALL subitems

message2 = 'survey 2, data sharing (n=1015) ver. Aug2019'

dataSharingPie2a = c(LackFunding2, LackStandards2, NotNeeded2, InsufficientTime2, NoPlace2, Shouldnt2, NotRequired2, NoRights2, LoseControl2, NeedToPublish2, InsufficientSkills2, Other2)

slices=c('Lack of funding', 'Lack of standards', 'People don’t need them', 'Insufficient time', 'No place to put them', 'Shouldn\'t be available', 'Sponsor doesn\'t require it', 'No rights to make data public', 'Lose Control', 'Need to Publish', 'Insufficient Skills', 'Other')

slicecolors=c(Violet, Blue, RobinEggBlue, CaribbeanGreen, ScreaminGreen, LaserLemon, MangoTango, PinkFlamingo, PinkFlamingo, LaserLemon, PinkFlamingo, Scarlet)

dev.new(); pie(dataSharingPie2a, labels = slices, col = slicecolors, main=message2, init.angle=-20)

#ALL subitems

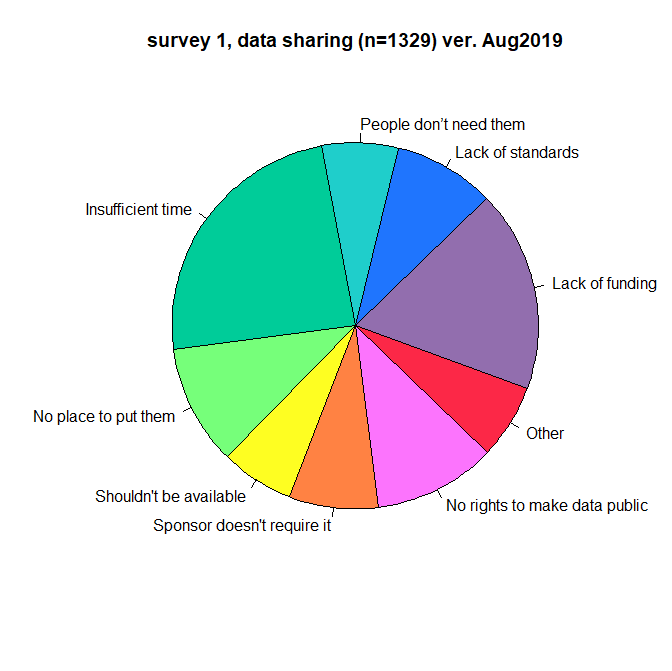
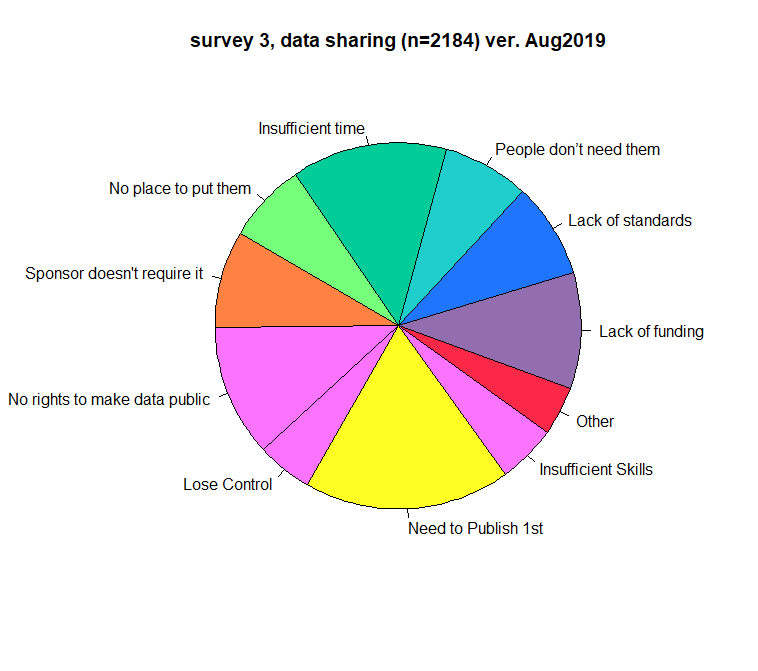
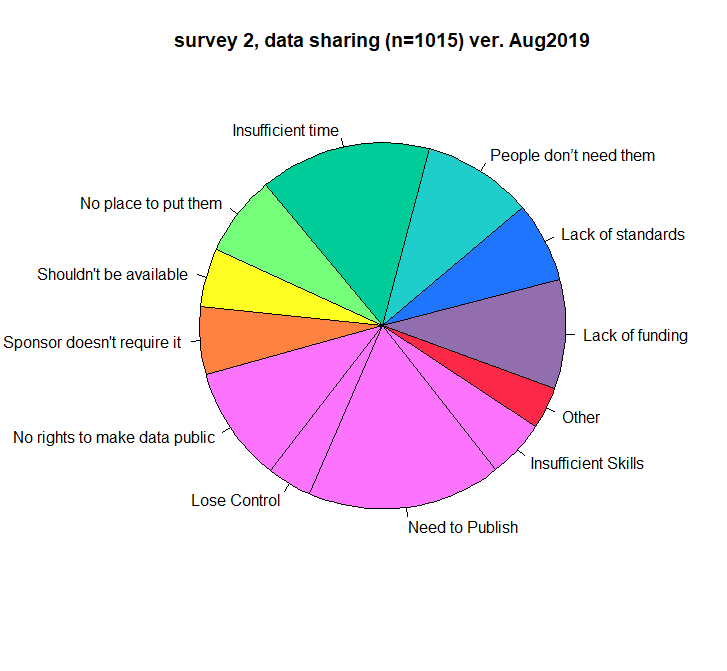
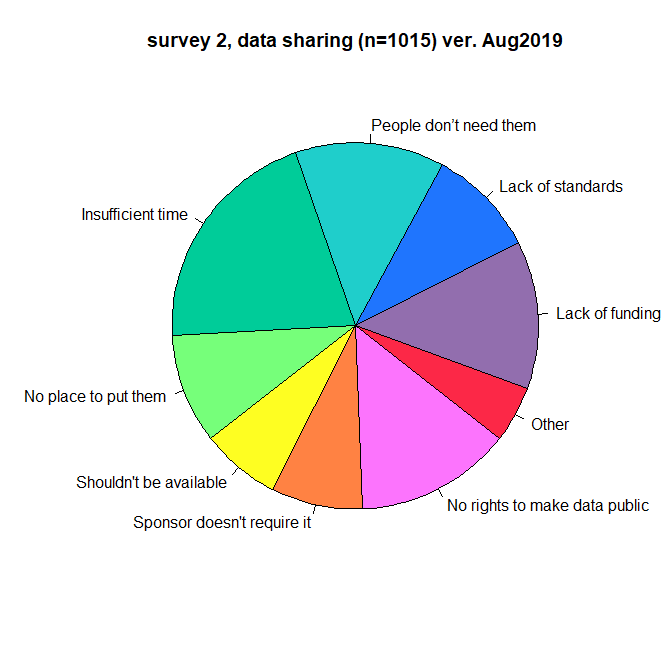
message3 = 'survey 3, data sharing (n=2184) ver. Aug2019'

dataSharingPie3 = c(LackFunding3, LackStandards3, NotNeeded3, InsufficientTime3, NoPlace3, NotRequired3, NoRights3, LoseControl3, NeedToPublish3, InsufficientSkills3, Other3)

slices=c('Lack of funding', 'Lack of standards', 'People don’t need them', 'Insufficient time', 'No place to put them', 'Sponsor doesn\'t require it', 'No rights to make data public', 'Lose Control', 'Need to Publish 1st', 'Insufficient Skills', 'Other')

slicecolors=c(Violet, Blue, RobinEggBlue, CaribbeanGreen, ScreaminGreen, MangoTango, PinkFlamingo, PinkFlamingo, LaserLemon, PinkFlamingo, Scarlet)

dev.new(); pie(dataSharingPie3, labels = slices, col = slicecolors, main=message3, init.angle=-20)

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

message1 = 'Survey 123, Q06\_16\_13'

dev.new()

dpi=2400 # 2400 returns a 500kb file, HighQuality

zzzz=paste(message1,'.png')

png(zzzz, width=6\*dpi, height = 6\* dpi, res = dpi)

x1 = -20; x2 = 50; y1 = 0; y2 = 23; plot(y1~x1, xlab='pct of \'Yes\' respondents', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message1); dy=0.48; y1=0.5; x1=0; x1Text=-12; x1NotAsked = 6; cexText=0.8; cexPct=0.6

cexText=0.6; cexPct=0.4

itemText = 'other…'; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*( Other1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*( Other2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*( Other3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round (100\*Other1/bigN1),digits=2),'%'); text(18, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*Other2/bigN2),digits=1),'%'); text(18, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*Other3/bigN3),digits=2),'%'); text(18, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'I have insufficient skills to\n make my data available'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

itemText = 'not asked in Survey1'; text(x1NotAsked, y1+dy/2.2,itemText, cex=cexPct)

xt1 = x1; xt2 = xt1+100\*( InsufficientSkills2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*( InsufficientSkills3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\*InsufficientSkills2/bigN2),digits=1),'%'); text(18, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*InsufficientSkills2/bigN3),digits=1),'%'); text(18, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'I need to publish first'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

itemText = 'not asked in Survey1'; text(x1NotAsked, y1+dy/2.2,itemText, cex=cexPct)

xt1 = x1; xt2 = xt1+100\*( NeedToPublish2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*( NeedToPublish3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\*NeedToPublish2/bigN2),digits=2),'%'); text(40, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*NeedToPublish3/bigN3),digits=2),'%'); text(40, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'I would lose control\n of the data'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

itemText = 'not asked in Survey1'; text(x1NotAsked, y1+dy/2.2,itemText, cex= cexPct)

xt1 = x1; xt2 = xt1+100\*(LoseControl2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*(LoseControl3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\*LoseControl2/bigN2),digits=1),'%'); text(18, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*LoseControl3/bigN3),digits=1),'%'); text(18, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'Don\'t have the rights to\n make the data public'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*( NoRights1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*( NoRights2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*( NoRights3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\*NoRights1/bigN1),digits=2),'%'); text(28, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*NoRights2/bigN2),digits=2),'%'); text(28, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*NoRights3/bigN3),digits=2),'%'); text(28, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'Sponsor doesn\'t\n require it'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*( NotRequired1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*( NotRequired2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*( NotRequired3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\*NotRequired1/bigN1),digits=2),'%'); text(25, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*NotRequired2/bigN2),digits=2),'%'); text(25, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*NotRequired3/bigN3),digits=2),'%'); text(25, y1+2.5\*dy, pctText, cex= cexPct)

itemText = ' They shouldn\'t\n be available '; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*(Shouldnt1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*(Shouldnt2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

itemText = 'not asked in Survey3'; text(x1NotAsked, y1+2.6\*dy,itemText, cex= cexPct)

pctText=paste(format(round(100\*Shouldnt1/bigN1),digits=2),'%'); text(21, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*Shouldnt2/bigN2),digits=2),'%'); text(21, y1+1.5\*dy, pctText, cex= cexPct)

itemText = 'No place to put them'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*(NoPlace1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*(NoPlace2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*(NoPlace3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\*NoPlace1/bigN1),digits=2),'%'); text(25, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*NoPlace2/bigN2),digits=2),'%'); text(25, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\*NoPlace3/bigN3),digits=2),'%'); text(25, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'Insufficient time'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*(InsufficientTime1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*(InsufficientTime2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*(InsufficientTime3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\* InsufficientTime1/bigN1),digits=2),'%'); text(49, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\* InsufficientTime2/bigN2),digits=2),'%'); text(49, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\* InsufficientTime3/bigN3),digits=2),'%'); text(49, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'People don\'t\n need them'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*(NotNeeded1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*(NotNeeded2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*(NotNeeded3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\* NotNeeded1/bigN1),digits=2),'%'); text(25, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\* NotNeeded2/bigN2),digits=2),'%'); text(25, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\* NotNeeded3/bigN3),digits=2),'%'); text(25, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'Lack of standards'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*(LackStandards1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*(LackStandards2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*(LackStandards3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\* LackStandards1/bigN1),digits=2),'%'); text(25, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\* LackStandards2/bigN2),digits=2),'%'); text(25, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\* LackStandards3/bigN3),digits=2),'%'); text(25, y1+2.5\*dy, pctText, cex= cexPct)

itemText = 'Lack of funding'; y1=y1+4\*dy; text(x1Text, y1+1.5\*dy,itemText, cex= cexText)

xt1 = x1; xt2 = xt1+100\*(LackFunding1/bigN1)

yt1 = y1+(0\*dy); yt2 = y1+(1\*dy); rect(xt1,yt1,xt2,yt2, col= LaserLemon) #

xt1 = x1; xt2 = xt1+100\*(LackFunding2/bigN2)

yt1 = y1+(1\*dy); yt2 = y1+(2\*dy); rect(xt1,yt1,xt2,yt2, col= ScreaminGreen) #

xt1 = x1; xt2 = xt1+100\*(LackFunding3/bigN3)

yt1 = y1+(2\*dy); yt2 = y1+(3\*dy); rect(xt1,yt1,xt2,yt2, col= Blue) #

pctText=paste(format(round(100\* LackFunding1/bigN1),digits=2),'%'); text(38, y1+0.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\* LackFunding2/bigN2),digits=2),'%'); text(38, y1+1.5\*dy, pctText, cex= cexPct)

pctText=paste(format(round(100\* LackFunding3/bigN3),digits=2),'%'); text(38, y1+2.5\*dy, pctText, cex= cexPct)

# manual legend

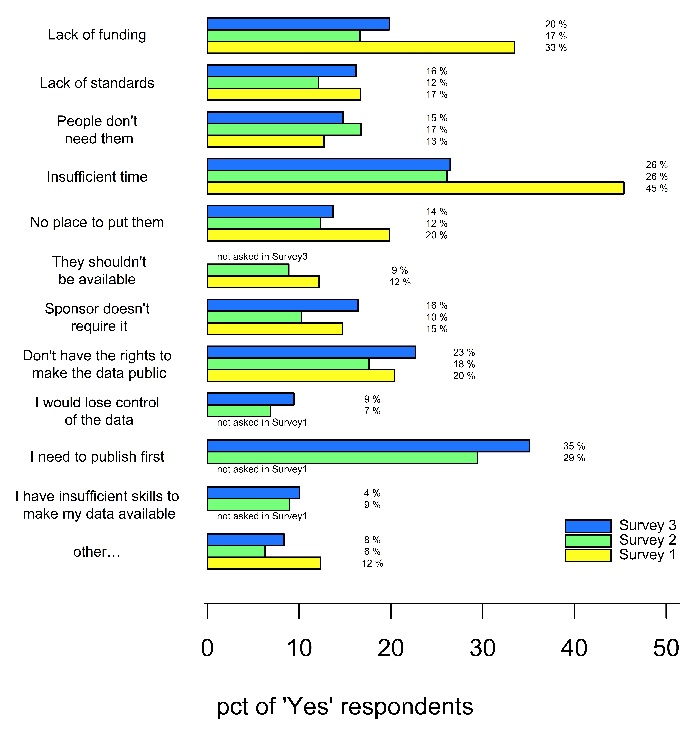
dx = 5; dy=0.5;x1 = 39;y1=2

rect(x1, y1, x1+dx, y1+dy, col= Blue); text(x1+9, y1+dy/2,'Survey 3', cex= cexText); y1=y1-1.2\*dy

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+9, y1+dy/2,'Survey 2', cex= cexText); y1=y1-1.2\*dy

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+9, y1+dy/2,'Survey 1', cex=cexText)

dev.off()



# Q06\_16\_13 ---------------------------- END ----------------------------------------

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

**#** Q07\_17\_14 --------- START ---------------------

|  |  |  |  |
| --- | --- | --- | --- |
| 07\_17\_14  HYP 1&2??  HYP 3? | Q7 The following group of statements relates to how you **collect and use research data**. Tell us how much you agree with each statement using the following scale: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly.  Q7\_1… I am satisfied with the process for collecting my research data  Q7\_2…I am satisfied with the process for searching for my own data  Q7\_3…I am satisfied with the process for cataloging/describing my data  Q7\_4… I am satisfied with the process for storing my data during the life of the project (short-term)  Q7\_5… I am satisfied with the process for storing my data beyond the life of the project (long-term)  Q7\_6… I am satisfied with the process for analyzing my data  Q7\_7… I share my data with others  Q7\_8… Others can access my data easily  **Q7\_9… I am satisfied with the tools for preparing metadata.**  Q7\_10…I am satisfied with the tools for preparing my documentation | Q17 The following statements relate to how you **collect and use research data**. Tell us how much you agree with the following ways to complete this sentence: I am satisfied with the… 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure  Q17\_1… process for collecting my research data  Q17\_2… process for cataloging / describing my data  Q17\_3… process for storing my data during the life of the project (short-term)  Q17\_4… process for storing my data beyond the life of the project (long-term)  Q17\_5… process for searching for my own data  Q17\_6… process for analyzing my data  **Q17\_7… tools for preparing metadata**  Q17\_8… tools for preparing my documentation  Q18 The following statements relate to data sharing and access. (originally Q16)  1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure  Q18\_1 I share my data with others  Q18\_2 Others need my permission to access my data  Q18\_3 Others can access my data easily. | Q14 The following statements relate to how you **store and manage your data**. Tell us how much you agree with the following ways to complete this sentence: I am satisfied with the… 1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure  Q14\_1… process for storing my data during the life of the project (short-term)  Q14\_2… process for storing my data beyond the life of the project (long-term)  **Q14\_3… tools for preparing metadata**  Q14\_4… ability to track & verify provenance information  Q14\_5…. ease of locating a suitable repository for the deposit of data |

surveyOne$Q7\_4 # agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

surveyOne$Q7\_5 # agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

surveyTwo$Q17\_3 # 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

surveyTwo$Q17\_4 # 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

surveyThree$Q14\_1 # 1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

surveyThree$Q14\_2 # 1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

# S1\_Q7\_4 I am satisfied with the process for storing my data during the life of the project (short-term)

dummy1Q = surveyOne$Q7\_4; dummyQ = dummy1Q;

# 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) ))

dummy1QV7\_4= c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 376 559 189 143 19 43 bigSumDummy = 1329 bigSumDummy-NNA = 1286"

# 0.2924 0.4347 0.147 0.1112 0.01477

~~# S2\_Q17\_3… process for storing my data during the life of the project (short-term)~~

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

~~dummy2Q = surveyTwo$Q17\_3; dummyQ = dummy2Q; 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~~

~~DummyQV2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV2~~

~~# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA~~

~~# 24 94 ( 93 + 14 ) 323 206 261 bigSumDummy = 1015 bigSumDummy-NNA = 754"~~

~~# 0.03183 0.1247 ( 0.1233 + 0.01857 ) 0.4284 0.2732"~~

# S2\_Q17\_3… process for storing my data during the life of the project (short-term)

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

dummy2Q = surveyTwo$Q17\_3; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

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

**# reverse coding**

for (zz in (1:bigN2) ) { # 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

DummyQV2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV2

dummy2QV17\_3= DummyQV2

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 206 323 ( 93 + 14 ) 94 24 261 bigSumDummy = 1015 bigSumDummy-NNA = 754"

# 0.2732 0.4284 ( 0.1233 + 0.01857 ) 0.1247 0.03183"

# S3\_Q14\_1… process for storing my data during the life of the project (short-term)

dummyQ = surveyThree$Q14\_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)))

# print(paste(' DummyQV3a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV3 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV3

dummy3QV14\_1= DummyQV3

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 680 689 ( 182 + 53 ) 175 60 345 bigSumDummy = 2184 bigSumDummy-NNA = 1839"

# 0.3698 0.3747 ( 0.09897 + 0.02882 ) 0.09516 0.03263"

# DummyQV3 = c( 0.369766177270256 , 0.374660141381185 , 0.12778684067428 , 0.0951604132680805 , 0.032626427406199 , 1839 )

dummy1QV7\_4

dummy2QV17\_3

dummy3QV14\_1

# dummy1QV7\_4 2.923795e-01 4.346812e-01 1.277868e-01 1.111975e-01 1.477449e-02 1.286000e+03

# dummy2QV17\_3 0.27320955 0.42838196 0.14190981 0.12466844 0.03183024 754.00000000

# dummy3QV14\_1 3.697662e-01 3.746601e-01 1.277868e-01 9.516041e-02 3.262643e-02 1.839000e+03

message1 = '07\_17\_14: I am satisfied with the process for storing my data during the life of the project (short-term)'

message2 = '07\_17\_14: I am satisfied with the process for storing my data \nduring the life of the project (short-term)'

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

dummyQV[1,]=dummy1QV7\_4; dummyQV[2,]=dummy2QV17\_3; dummyQV[3,]=dummy3QV14\_1

dummyQV # data are plotted left to right as they appear in the vectors

dev.new()

x1 = -10; x2 = 100; y1 = 0; y2 = 6; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message2, cex=0.8); dy=1; y1=0.5; x1=0

for (zz in 1:3) { # print(dummyQV[zz,4])

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

dx = 3; dy=0.15;x1 = 0;y1=3.8 # manual legend

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+11, y1+dy/2,"agree strongly", cex=0.6); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+7, y1+dy/2,"agree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+8, y1+dy/2,"neither", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Sunglow); text(x1+8, y1+dy/2,"disagree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+12, y1+dy/2,"disagree strongly", cex=0.6 ); x1=x1+19

text(-8, 1,"Surv1", cex=1.2, col=Violet ); text(-8, 2,"Surv2", cex=1.2, col=Violet ); text(-8, 3,"Surv3", cex=1.2, col=Violet )

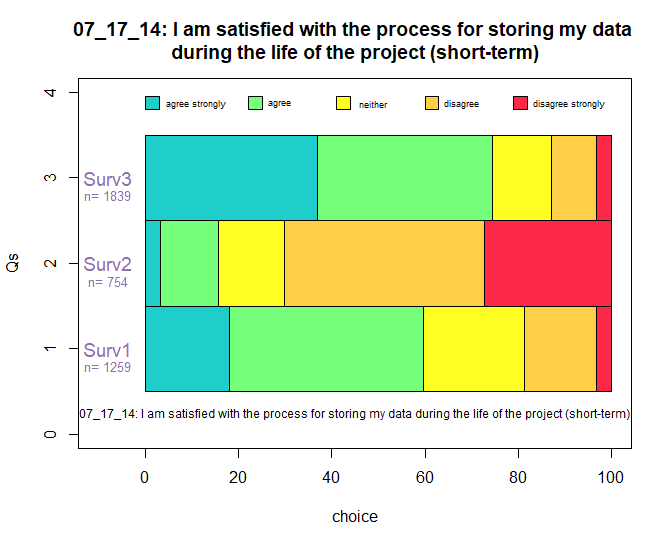
zzz=paste('n=',as.character(dummyQV[1,6])); text(-8,0.8,zzz, cex=0.8, col=Violet)

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)

text(45, 0.25,message1, cex=0.75, col=Black )

Note: for Survey 2, 1=Agree Strongly (as in the survey123.xlsx file), and these data are plotted at left, whereas, reversing the scores with 1=Disagree strongly (as in Survey 3) appears at right. Clearly, the responses to S2\_Q17\_3 were silently reversed at some point post-survey in the original \*.SAV file.

~~# S1\_ Q7\_4 I am satisfied with the process for storing my data beyond the life of the project (long-term)~~

~~dummy1Q = surveyOne$Q7\_4; dummyQ = dummy1Q;~~

~~# 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) ))~~

~~print(paste(' DummyQV1 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )~~

~~DummyQV1 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz); DummyQV1~~

~~dummy1QV7\_4= DummyQV1~~

~~# NStrAgree NAgree NNeith NDis NStrDis NNA~~

~~# 376 559 189 143 19 43 bigSumDummy = 1329 bigSumDummy-NNA = 1286~~

~~# 0.2924 0.4347 0.147 0.1112 0.01477"~~

~~# DummyQV1 = c( 0.292379471228616 , 0.434681181959565 , 0.157853810264386 , 0.111197511664075 , 0.0147744945567652 , 1286 )~~

# S2\_Q17\_4… process for storing my data beyond the life of the project (long-term)

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

dummy2Q = surveyTwo$Q17\_4; dummyQ = dummy2Q; 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)))

# print(paste(' DummyQV2a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV2 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV2

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 96 186 ( 117 + 42 ) 199 115 260 bigSumDummy = 1015 bigSumDummy-NNA = 755"

# 0.1272 0.2464 ( 0.155 + 0.05563 ) 0.2636 0.1523"

# DummyQV2 = c( 0.127152317880795 , 0.24635761589404 , 0.210596026490066 , 0.263576158940397 , 0.152317880794702 , 755 )"

# S2\_Q17\_4… process for storing my data beyond the life of the project (long-term)

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

dummy2Q = surveyTwo$Q17\_4; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

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

**# reverse coding**

for (zz in (1:bigN2) ) { # 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)))

# print(paste(' DummyQV2a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV2 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV2

dummy2QV17\_4= DummyQV2

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 115 199 ( 117 + 42 ) 186 96 260 bigSumDummy = 1015 bigSumDummy-NNA = 755"

# 0.1523 0.2636 ( 0.155 + 0.05563 ) 0.2464 0.1272"

# DummyQV2 = c( 0.152317880794702 , 0.263576158940397 , 0.210596026490066 , 0.24635761589404 , 0.127152317880795 , 755 )"

# S3\_Q14\_2… process for storing my data beyond the life of the project (long-term)

dummyQ = surveyThree$Q14\_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)))

# print(paste(' DummyQV3a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV3 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV3

dummy3QV14\_2= DummyQV3

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 444 517 ( 235 + 96 ) 380 162 350 bigSumDummy = 2184 bigSumDummy-NNA = 1834"

# 0.2421 0.2819 ( 0.1281 + 0.05234 ) 0.2072 0.08833"

# DummyQV3 = c( 0.242093784078517 , 0.281897491821156 , 0.180479825517993 , 0.207197382769902 , 0.0883315158124318 , 1834 )"

dummy1QV7\_4

dummy2QV17\_4

dummy3QV14\_2

#

message1 = '07\_17\_14: I am satisfied with the process for storing my data beyond the life of the project (long-term)'

message2 = '07\_17\_14: I am satisfied with the process for storing my data \nbeyond the life of the project (long-term)'

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

dummyQV[1,]=DummyQV1; dummyQV[2,]=DummyQV2; dummyQV[3,]=DummyQV3; dummyQV # data are plotted left to right as they appear in the vectors

dev.new()

x1 = -10; x2 = 100; y1 = 0; y2 = 6; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message2, cex=0.8); dy=1; y1=0.5; x1=0

for (zz in 1:3) { # print(dummyQV[zz,4])

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

dx = 3; dy=0.15;x1 = 0;y1=3.8 # manual legend

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+11, y1+dy/2,"agree strongly", cex=0.6); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+7, y1+dy/2,"agree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+8, y1+dy/2,"neither", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Sunglow); text(x1+8, y1+dy/2,"disagree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+12, y1+dy/2,"disagree strongly", cex=0.6 ); x1=x1+19

text(-8, 1,"Surv1", cex=1.2, col=Violet ); text(-8, 2,"Surv2", cex=1.2, col=Violet ); text(-8, 3,"Surv3", cex=1.2, col=Violet )

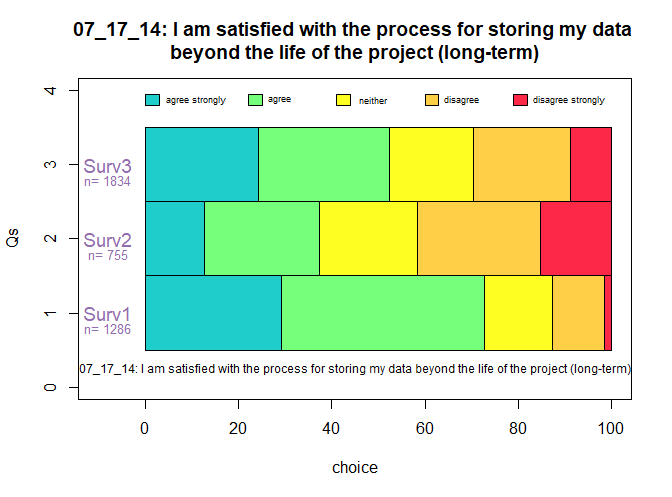
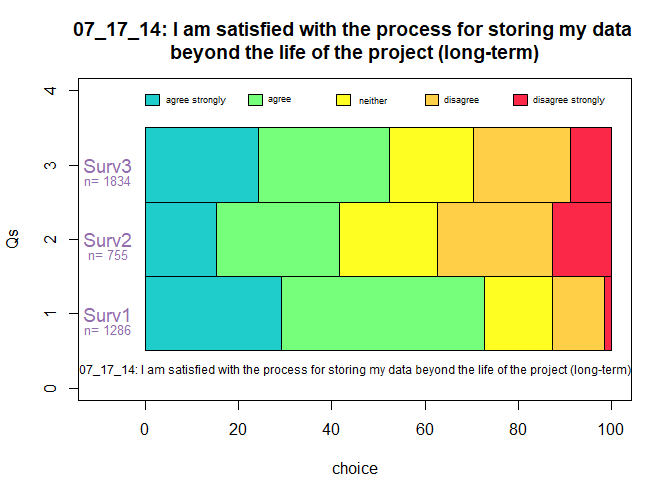
zzz=paste('n=',as.character(dummyQV[1,6])); text(-8,0.8,zzz, cex=0.8, col=Violet)

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)

text(45, 0.25,message1, cex=0.75, col=Black )

Note: for Survey 2, 1=Agree Strongly (as in the survey123.xlsx file), and these data are plotted at left, whereas, reversing the scores with 1=Disagree strongly (as in Survey 3) appears at right. Possibly, the responses to S2\_Q17\_4 were silently reversed at some point post-survey in the original \*.SAV file.

07\_17\_14

surveyOne$Q7\_9 # agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

surveyTwo$Q17\_7 # 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

surveyThree$Q14\_3 # 1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

# S1\_Q7\_9… I am satisfied with the tools for preparing metadata.

dummy1Q = surveyOne$Q7\_9; dummyQ = dummy1Q;

# 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) ))

print(paste(' DummyQV1 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

DummyQV1 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz); DummyQV1

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 75 252 526 289 118 69 bigSumDummy = 1329 bigSumDummy-NNA = 1260"

# 0.05952 0.2 0.4175 0.2294 0.09365"

# DummyQV1 = c( 0.0595238095238095 , 0.2 , 0.450793650793651 , 0.229365079365079 , 0.0936507936507937 , 1260 )"

# S2\_Q17\_7… I am satisfied with the tools for preparing metadata

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

dummy2Q = surveyTwo$Q17\_7; dummyQ = dummy2Q; 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)))

# print(paste(' DummyQV2a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV2 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV2

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 89 154 ( 174 + 135 ) 123 75 265 bigSumDummy = 1015 bigSumDummy-NNA = 750"

# 0.1187 0.2053 ( 0.232 + 0.18 ) 0.164 0.1"

# DummyQV2 = c( 0.118666666666667 , 0.205333333333333 , 0.412 , 0.164 , 0.1 , 750 )"

# S2\_Q17\_7… … I am satisfied with the tools for preparing metadata

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

dummy2Q = surveyTwo$Q17\_7; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

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

**# reverse coding**

for (zz in (1:bigN2) ) { # 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)))

# print(paste(' DummyQV2a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV2 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV2

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 75 123 ( 174 + 135 ) 154 89 265 bigSumDummy = 1015 bigSumDummy-NNA = 750"

# 0.1 0.164 ( 0.232 + 0.18 ) 0.2053 0.1187"

# DummyQV2 = c( 0.1 , 0.164 , 0.412 , 0.205333333333333 , 0.118666666666667 , 750 )"

# S3\_Q14\_3… … I am satisfied with the tools for preparing metadata

dummyQ = surveyThree$Q14\_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)))

# print(paste(' DummyQV3a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV3 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV3

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 191 325 ( 346 + 355 ) 388 203 376 bigSumDummy = 2184 bigSumDummy-NNA = 1808"

# 0.1056 0.1798 ( 0.1914 + 0.1963 ) 0.2146 0.1123"

# DummyQV3 = c( 0.105641592920354 , 0.179756637168142 , 0.387721238938053 , 0.214601769911504 , 0.112278761061947 , 1808 )"

message1 = '07\_17\_14: I am satisfied with the tools for preparing metadata'

message2 = '07\_17\_14: I am satisfied with the tools for preparing metadata'

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

dummyQV[1,]=DummyQV1; dummyQV[2,]=DummyQV2; dummyQV[3,]=DummyQV3; dummyQV # data are plotted left to right as they appear in the vectors

dev.new()

x1 = -10; x2 = 100; y1 = 0; y2 = 4; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message2, cex=0.8); dy=1; y1=0.5; x1=0

for (zz in 1:3) { # print(dummyQV[zz,4])

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

dx = 3; dy=0.15;x1 = 0;y1=3.8 # manual legend

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+11, y1+dy/2,"agree strongly", cex=0.6); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+7, y1+dy/2,"agree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+8, y1+dy/2,"neither", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Sunglow); text(x1+8, y1+dy/2,"disagree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+12, y1+dy/2,"disagree strongly", cex=0.6 ); x1=x1+19

text(-8, 1,"Surv1", cex=1.2, col=Violet ); text(-8, 2,"Surv2", cex=1.2, col=Violet ); text(-8, 3,"Surv3", cex=1.2, col=Violet )

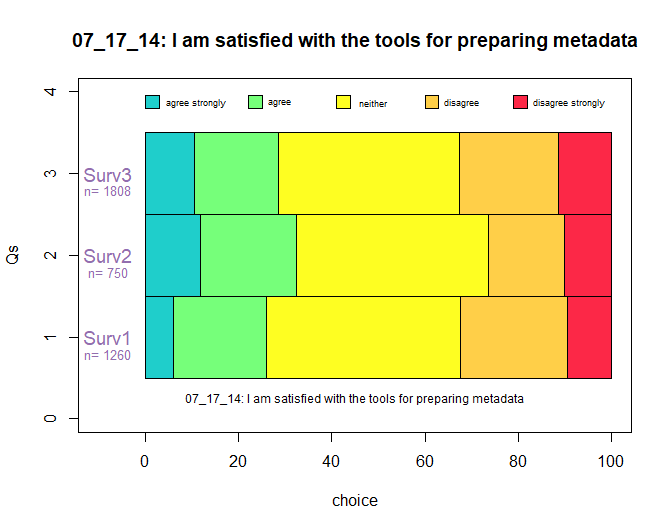
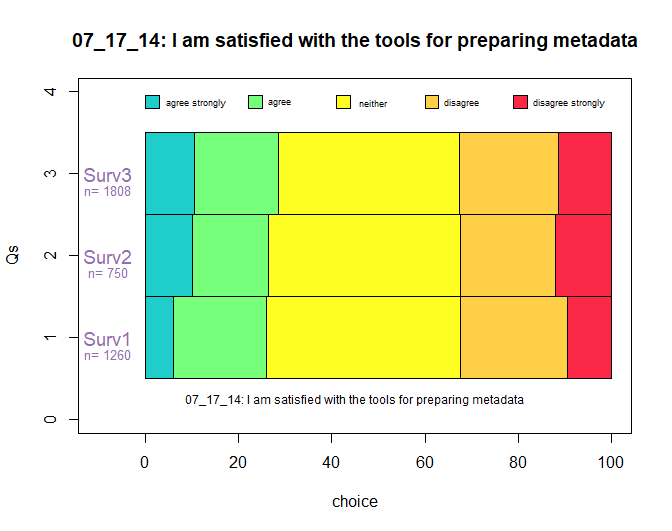
zzz=paste('n=',as.character(dummyQV[1,6])); text(-8,0.8,zzz, cex=0.8, col=Violet)

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)

text(45, 0.25,message1, cex=0.75, col=Black )

Note: for Survey 2, 1=Agree Strongly (as in the survey123.xlsx file), and these data are plotted at left, whereas, reversing the scores with 1=Disagree strongly (as in Survey 3) appears at right. Possibly, the responses to S2\_Q17\_7 were silently reversed at some point post-survey in the original \*.SAV file.

# Q07\_17\_14 --------- END ---------------------

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

# short and long term data management and storage: REDONE – USE THIS

# Q's 07\_17\_14 and 08\_20\_16

S1\_Q7 The following group of statements relates to how you collect and use research data

S2\_Q17 The following statements relate to how you collect and use research data. Tell us how much you agree with the following ways to complete this sentence: I am satisfied with the…

S3\_ Q14 The following statements relate to how you store and manage your data. Tell us how much you agree with the following ways to complete this sentence: I am satisfied with the

S1\_Q8 The following group of statements relates to **how your organization is involved with your data**.

S2\_Q20 The following statements relate to **how your organization is involved with managing and storing data**. My organization has a formal process for…

S3\_Q16 The following statements relate to **how your organization is involved with managing and storing data**. Tell us how much you agree with the following ways to complete this sentence: My organization has a formal process for:

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

# I am satisfied with the…

# SHORT TERM data storage

# S3\_Q14\_1… process for storing my data during the life of the project (short-term)

# S2\_Q17\_3… process for storing my data during the life of the project (short-term)

# S1\_Q7\_4… process for storing my data during the life of the project (short-term)

# S3\_Q14\_1… process for storing my data during the life of the project (short-term)

dummyQ = surveyThree$Q14\_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

dummy3QV14\_1= c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 680 689 ( 182 + 53 ) 175 60 345 bigSumDummy = 2184 bigSumDummy-NNA = 1839

# 0.3698 0.3747 ( 0.09897 + 0.02882 ) 0.09516 0.03263

# S2\_Q17\_3… process for storing my data during the life of the project (short-term)

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

dummyQ = surveyTwo$Q17\_3; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

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

**# reverse coding**

for (zz in (1:bigN2) ) { # 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

dummy2QV17\_3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 206 323 ( 93 + 14 ) 94 24 261 bigSumDummy = 1015 bigSumDummy-NNA = 754

# 0.2732 0.4284 ( 0.1233 + 0.01857 ) 0.1247 0.03183

# S1\_Q7\_4… process for storing my data during the life of the project (short-term)

dummyQ = surveyOne$Q7\_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) ))

dummy1QV7\_4 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 376 559 189 143 19 43 bigSumDummy = 1329 bigSumDummy-NNA = 1286

# 0.2924 0.4347 0.147 0.1112 0.01477

# … process for storing my data during the life of the project (short-term)

dummy3QV14\_1

dummy2QV17\_3

dummy1QV7\_4

**# dummy3QV14\_1 [1] 3.697662e-01 3.746601e-01 1.277868e-01 9.516041e-02 3.262643e-02 1.839000e+03**

**# dummy2QV17\_3 [1] 0.27320955 0.42838196 0.14190981 0.12466844 0.03183024 754.00000000**

**# dummy1QV7\_4 [1] 2.923795e-01 4.346812e-01 1.469673e-01 1.111975e-01 1.477449e-02 1.286000e+03**

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

# I am satisfied with the…

# LONG TERM data storage

# S3\_Q14\_2… process for storing my data beyond the life of the project (long-term)

# S3\_Q16\_2 storing data beyond the life of the project (long-term)

# S2\_Q17\_4… process for storing my data beyond the life of the project (long-term)

# S2\_Q20\_2 storing data beyond the life of the project (long-term)

# S1\_Q7\_5… process for storing my data beyond the life of the project (long-term)

# S1\_Q8\_2 has a formal established process for storing data beyond the life of the project (long-term).

# S3\_Q14\_2… process for storing my data beyond the life of the project (long-term)

dummyQ = surveyThree$Q14\_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

dummy3QV14\_2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 444 517 ( 235 + 96 ) 380 162 350 bigSumDummy = 2184 bigSumDummy-NNA = 1834

# 0.2421 0.2819 ( 0.1281 + 0.05234 ) 0.2072 0.08833

# S3\_Q16\_1 managing data during the life of the project (short-term) 1 = yes, 2 = no, 3 = don't know

dummyQ = surveyThree$Q16\_1; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NYes=0; NNo=0; NDKnow=0; NNA=0

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

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

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

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

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

bigSumDummy = NYes+NNo+NDKnow+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NYes,' ',NNo,' ',NDKnow,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4),' ',format(NDKnow/zzz,digits=4) ))

dummy3QV16\_1 = c((NYes/zzz),(NNo/zzz),(NDKnow/zzz),zzz);

# NYes NNo NDKnow NNA

# 671 819 329 365 bigSumDummy = 2184 bigSumDummy-NNA = 1819

# 0.3689 0.4502 0.1809

# S3\_Q16\_2 storing data beyond the life of the project (long-term) 1 = yes, 2 = no, 3 = don't know

dummyQ = surveyThree$Q16\_2; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NYes=0; NNo=0; NDKnow=0; NNA=0

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

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

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

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

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

bigSumDummy = NYes+NNo+NDKnow+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NYes,' ',NNo,' ',NDKnow,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4),' ',format(NDKnow/zzz,digits=4) ))

dummy3QV16\_2 = c((NYes/zzz),(NNo/zzz),(NDKnow/zzz),zzz);

# NYes NNo NDKnow NNA

# 696 727 401 360 bigSumDummy = 2184 bigSumDummy-NNA = 1824

# 0.3816 0.3986 0.2198

# S2\_Q17\_4… process for storing my data beyond the life of the project (long-term)

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

dummyQ = surveyTwo$Q17\_4; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

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

**# reverse coding**

for (zz in (1:bigN2) ) { # 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

dummy2QV17\_4 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 115 199 ( 117 + 42 ) 186 96 260 bigSumDummy = 1015 bigSumDummy-NNA = 755

# 0.1523 0.2636 ( 0.155 + 0.05563 ) 0.2464 0.1272

# S2\_Q20\_2 storing data beyond the life of the project (long-term)

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

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

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

**# reverse coding**

for (zz in (1:bigN2) ) { # 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

dummy2QV20\_2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 109 164 ( 73 + 71 ) 77 192 329 bigSumDummy = 1015 bigSumDummy-NNA = 686

# 0.1589 0.2391 ( 0.1064 + 0.1035 ) 0.1122 0.2799

# S2\_Q20\_1 storing data beyond the life of the project (long-term)

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

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

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

**# reverse coding**

for (zz in (1:bigN2) ) { # 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

dummy2QV20\_1 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 105 169 ( 65 + 67 ) 102 182 325 bigSumDummy = 1015 bigSumDummy-NNA = 690

# 0.1522 0.2449 ( 0.0942 + 0.0971 ) 0.1478 0.2638

# S1\_Q7\_5… process for storing my data beyond the life of the project (long-term)

dummyQ = surveyOne$Q7\_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) ))

dummy1QV7\_5 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 206 369 271 334 111 38 bigSumDummy = 1329 bigSumDummy-NNA = 1291

# 0.1596 0.2858 0.2099 0.2587 0.08598

# S1\_Q8\_1 has a formal established process for storing data beyond the life of the project (long-term).

dummyQ = surveyOne$Q8\_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) ))

dummy1QV8\_1 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 221 330 183 257 297 41 bigSumDummy = 1329 bigSumDummy-NNA = 1288

# 0.1716 0.2562 0.1421 0.1995 0.2306

# S1\_Q8\_2 has a formal established process for storing data beyond the life of the project (long-term).

dummyQ = surveyOne$Q8\_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) ))

dummy1QV8\_2 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 200 294 191 271 328 45 bigSumDummy = 1329 bigSumDummy-NNA = 1284

# 0.1558 0.229 0.1488 0.2111 0.2555

# ------------------------- plotting ---------------------------------------------------------------------------------

# SHORT TERM data storage by respondent

# S3\_Q14\_1… process for storing my data during the life of the project (short-term)

# S2\_Q17\_3… process for storing my data during the life of the project (short-term)

# S1\_Q7\_4… process for storing my data during the life of the project (short-term)

# … process for storing my data during the life of the project (short-term)

dummy3QV14\_1

dummy2QV17\_3

dummy1QV7\_4

**# dummy3QV14\_1 [1] 3.697662e-01 3.746601e-01 1.277868e-01 9.516041e-02 3.262643e-02 1.839000e+03**

**# dummy2QV17\_3 [1] 0.27320955 0.42838196 0.14190981 0.12466844 0.03183024 754.00000000**

**# dummy1QV7\_4 [1] 2.923795e-01 4.346812e-01 1.469673e-01 1.111975e-01 1.477449e-02 1.286000e+03**

# LONG TERM data storage by respondent

# S3\_Q14\_2… process for storing my data beyond the life of the project (long-term)

# S2\_Q17\_4… process for storing my data beyond the life of the project (long-term)

# S1\_Q7\_5… process for storing my data beyond the life of the project (long-term)

dummy3QV14\_2

dummy2QV17\_4

dummy1QV7\_5

**# dummy3QV14\_2 [1] 2.420938e-01 2.818975e-01 1.804798e-01 2.071974e-01 8.833152e-02 1.834000e+03**

**# dummy2QV17\_4 [1] 0.1523179 0.2635762 0.2105960 0.2463576 0.1271523 755.0000000**

**# dummy1QV7\_5 [1] 1.595662e-01 2.858249e-01 2.099148e-01 2.587142e-01 8.597986e-02 1.291000e+03**

# SHORT TERM data management by the respondent's organization

# S3\_Q16\_1 managing data during the life of the project (short-term)

# S2\_Q20\_1 managing data during the life of the project (short-term)

# S1\_Q8\_1 managing data during the life of the project (short-term).

dummy3QV16\_1 **# BEWARE the #'s are YES NO and NDKnow and NA**

dummy2QV20\_1

dummy1QV8\_1

**# dummy3QV16\_1 [1] 0.3688840 0.4502474 0.1808686 1819.0000000 # BEWARE the #'s are YES NO and NDKnow and NA**

**# dummy2QV20\_1 [1] 0.1521739 0.2449275 0.1913043 0.1478261 0.2637681 690.0000000**

**# dummy1QV8\_1 [1] 0.1715839 0.2562112 0.1420807 0.1995342 0.2305901 1288.0000000**

dummy3QV16\_1\_Temp=c(0,0,0,0,0,0)

dummy3QV16\_1\_Temp[2]= dummy3QV16\_1[1] # assigns Yes to Agree

dummy3QV16\_1\_Temp[3]= dummy3QV16\_1[3] # sets DKnow to Unsure

dummy3QV16\_1\_Temp[4]= dummy3QV16\_1[2] # sets No to Disgree

dummy3QV16\_1\_Temp[6]= dummy3QV16\_1[4] # sets N to N fields

dummy3QV16\_1\_Temp

**# dummy3QV16\_1\_Temp [1] 0.0000000 0.3688840 0.1808686 0.4502474 0.0000000 1819.0000000**

# LONG TERM data storage by respondent's organization

# S3\_Q16\_2 storing data beyond the life of the project (long-term)

# S2\_Q20\_2 storing data beyond the life of the project (long-term)

# S1\_Q8\_2 has a formal established process for storing data beyond the life of the project (long-term).

dummy3QV16\_2 **# BEWARE the #'s are YES NO and NDKnow and NA**

dummy2QV20\_2

dummy1QV8\_2

**# dummy3QV16\_2 [1] 0.3815789 0.3985746 0.2198465 1824.0000000 # BEWARE the #'s are YES NO and NDKnow and NA**

**> dummy2QV20\_2 [1] 0.1588921 0.2390671 0.2099125 0.1122449 0.2798834 686.0000000**

**> dummy1QV8\_2 [1] 0.1557632 0.2289720 0.1487539 0.2110592 0.2554517 1284.0000000**

dummy3QV16\_2\_Temp=c(0,0,0,0,0,0)

dummy3QV16\_2\_Temp[2]= dummy3QV16\_1[1] # assigns Yes to Agree

dummy3QV16\_2\_Temp[3]= dummy3QV16\_1[3] # sets DKnow to Unsure

dummy3QV16\_2\_Temp[4]= dummy3QV16\_1[2] # sets No to Disgree

dummy3QV16\_2\_Temp[6]= dummy3QV16\_1[4] # sets N to N fields

dummy3QV16\_2\_Temp

**# dummy3QV16\_2\_Temp [1] 0.0000000 0.3688840 0.1808686 0.4502474 0.0000000 1819.0000000**

message1 = 'Survey 123, Short & Long Data Storage, Q07\_17\_14'

message1 = 'Short Long Data StorMangm Q07\_17\_14 Q08\_20\_16'

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 = 20; 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

# check dummy3 = c(0.5, 0.1, 0.1, 0.1, 0.2, 100); dummy2 = c(0.4, 0.1, 0.1, 0.2, 0.2, 100); dummy1 = c(0.3, 0.1, 0.2, 0.2, 0.2, 100)

# check dummyQV[3,]=dummy3; dummyQV[2,]=dummy2; dummyQV[1,]=dummy1; dummyQV # data are plotted left to right as they appear in the vectors

y1=y1+0

itemX = paste('My organization has a formal process for managing & storing my data beyond the project (long-term)')

dummyQV[3,]=dummy3QV16\_2\_Temp; dummyQV[2,]=dummy2QV20\_2; dummyQV[1,]=dummy1QV8\_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('I am satisfied with the process for storing my data beyond the life of the project (long-term)')

dummyQV[3,]=dummy3QV14\_2; dummyQV[2,]=dummy2QV17\_4; dummyQV[1,]=dummy1QV7\_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 )

y1=y1+6

itemX = paste('My organization has a formal process for managing & storing my data during the project (short-term)')

dummyQV[3,]=dummy3QV16\_1\_Temp; dummyQV[2,]=dummy2QV20\_1; dummyQV[1,]=dummy1QV8\_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('I am satisfied with the process for storing my data during the life of the project (short-term)')

dummyQV[3,]=dummy3QV14\_1; dummyQV[2,]=dummy2QV17\_3; dummyQV[1,]=dummy1QV7\_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 )

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

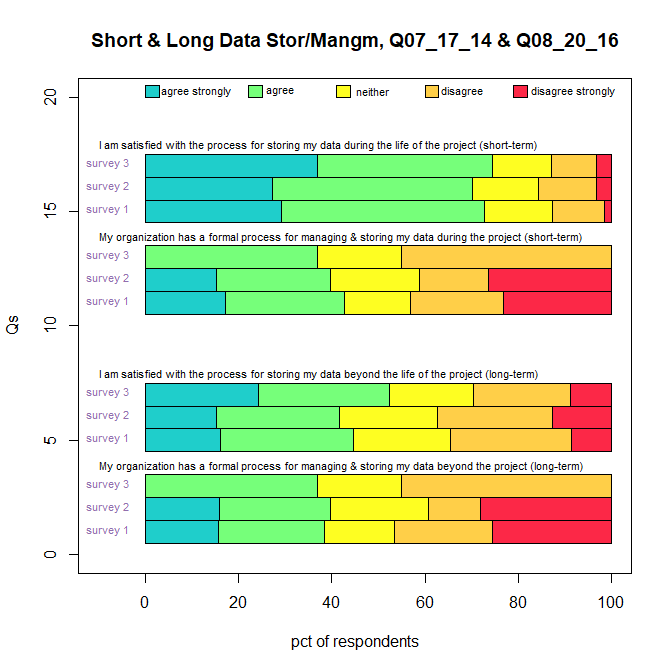
rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+13, y1+dy/2,"disagree strongly", cex= cexText); x1=x1+19

# 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()



# I am satisfied with the…

# SHORT TERM data management by the respondent's organization

# S1\_Q8\_3 necessary tools and technical support for data management during the life of the project (short-term)

# S1\_Q8\_6 provides the necessary funds to support data management during the life of a research project (short-term)

# LONG TERM data management by the respondent's organization

# S1\_Q8\_4 provides the necessary tools and technical support for data management beyond the life of the project (long-term)

# S1\_Q8\_7 provides the necessary funds to support data management beyond the life of the project (long-term)

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

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

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

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

# Q08\_20\_16 --------- START ---------------------

|  |  |  |  |
| --- | --- | --- | --- |
| 08\_20\_16  **HYP 3** | Q8 The following group of statements relates to **how your organization is involved with your data**. Tell us how much you agree with each using the following scale: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly  Q8\_1 My organization or project has a formal established process for managing data during the life of the project (short-term).  Q8\_2 My organization or project has a formal established process for storing data beyond the life of the project (long-term).  Q8\_3 My organization or project provides the necessary tools and technical support for data management during the life of the project (short-term)  Q8\_4 My organization or project provides the necessary tools and technical support for data management beyond the life of the project (long-term)  Q8\_6 My organization or project provides the necessary funds to support data management during the life of a research project (short-term)  Q8\_7 My organization or project provides the necessary funds to support data management beyond the life of the project (long-term) | Q20 The following statements relate to **how your organization is involved with managing and storing data**. My organization has a formal process for… 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure  Q20\_1 managing data during the life of the project (short-term).  Q20\_2 storing data beyond the life of the project (long-term). | Q16 The following statements relate to **how your organization is involved with managing and storing data**. Tell us how much you agree with the following ways to complete this sentence: My organization has a formal process for: 1=Yes, 2=No, 3=Don’t Know  Q16\_1 managing data during the life of the project (short-term).  Q16\_2 storing data beyond the life of the project (long-term).  { issue here with variation among surveys in choices } |

# S1\_Q8\_1 My organization or project has a formal established process for managing data during the life of the project (short-term).

# S1\_Q8\_2 My organization or project has a formal established process for storing data beyond the life of the project (long-term).

# S2\_Q20\_1 My organization has a formal process for managing data during the life of the project (short-term).

# S2\_Q20\_2 My organization has a formal process for storing data beyond the life of the project (long-term).

# S3\_Q16\_1 My organization has a formal process for managing data during the life of the project (short-term).

# S3\_Q16\_2 My organization has a formal process for storing data beyond the life of the project (long-term).

# 08\_20\_16

surveyOne$Q8\_1 # agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

surveyTwo$Q20\_1 # 1 = agree strongly, 2 = agree somewhat, 3 = neither agree nor disagree, 4 = disagree somewhat, 5 = disagree strongly, 6 = not sure NA

surveyThree$Q16\_1 # 1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure NA

# S1\_Q8\_1 My organization or project has a formal established process for managing data during the life of the project (short-term).

# agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

dummy1Q = surveyOne$Q8\_1; dummyQ = dummy1Q;

# 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) ))

dummy1QV8\_1 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 221 330 183 257 297 41 bigSumDummy = 1329 bigSumDummy-NNA = 1288

# 0.1716 0.2562 0.1421 0.1995 0.2306

# S1\_Q8\_2 My organization or project has a formal established process for storing data beyond the life of the project (long-term)

# agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

dummy1Q = surveyOne$Q8\_2; dummyQ = dummy1Q;

# 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) ))

dummy1QV8\_2 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 200 294 191 271 328 45 bigSumDummy = 1329 bigSumDummy-NNA = 1284

# 0.1558 0.229 0.1488 0.2111 0.2555

# suvey 2 -----------------------------

# S2\_Q20\_1 My organization has a formal process for managing data during the life of the project (short-term).

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

dummy2Q = surveyTwo$Q20\_1; dummyQ = dummy2Q; 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)))

# print(paste(' DummyQV2a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV2 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

dummy2QV20\_1 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz);

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 182 102 ( 65 + 67 ) 169 105 325 bigSumDummy = 1015 bigSumDummy-NNA = 690

# 0.2638 0.1478 ( 0.0942 + 0.0971 ) 0.2449 0.1522

# S2\_Q20\_2 My organization has a formal process for storing data beyond the life of the project (long-term).

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

dummy2Q = surveyTwo$Q20\_2; dummyQ = dummy2Q; 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)))

# print(paste(' DummyQV2a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV2 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

dummy2QV20\_2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz);

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 192 77 ( 73 + 71 ) 164 109 329 bigSumDummy = 1015 bigSumDummy-NNA = 686

# 0.2799 0.1122 ( 0.1064 + 0.1035 ) 0.2391 0.1589

# suvey 3 -----------------------------

# S3\_Q16\_1 My organization has a formal process for managing data during the life of the project (short-term)

# 1=Yes, 2=No, 3=Don’t Know

dummy3Q = surveyThree$Q16\_1; dummyQ = replace(dummy3Q, is.na(dummy3Q), 999)

NYes=0; NNo=0; NDKnow=0; NNA=0

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

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

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

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

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

bigSumDummy = NYes+NNo+NDKnow+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NYes,' ',NNo,' ',NDKnow,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4),' ',format(NDKnow/zzz,digits=4) ))

print(paste(' = c( ',(NYes/zzz),', ',(NNo/zzz),', ',(NDKnow/zzz),', ',zzz,' )') )

dummy3QV16\_1 = c((NYes/zzz),(NNo/zzz),(zzzz),(NDKnow/zzz),zzz);

# NYes NNo NDKnow NNA

# 671 819 329 365 bigSumDummy = 2184 bigSumDummy-NNA = 1819

# 0.3689 0.4502 0.1809

# S3\_Q16\_2 My organization has a formal process for storing data beyond the life of the project (long-term).

# Q08\_20\_16 --------- END ---------------------

**# bigN1 [1] 1329 matches May2019 output**

**# bigN2 [1] 1015**

**# bigN3 [1] 2184**

# Q08\_22\_18 --------- START ---------------------

|  |  |  |  |
| --- | --- | --- | --- |
| 08\_22\_18  **HYP 3** | Q8 The following group of statements relates to how your organization is involved with your data. Tell us how much you agree with each using the following scale: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly  Q8\_5 My organization or project provides training on best practices for data management. | Q22 The following statements relate to how your organization is involved with training. Tell us how much you agree with the following ways to complete this sentence: My organization or project provides training or assistance on 1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure  Q22\_1 training on best practices for data management.  Q22\_2 assistance on creating data management plans.  Q22\_3 assistance on creating metadata to describe my data or datasets.  Q22\_4 training on how to cite datasets. | Q18 My organization or project provides: 1=Disagree strongly / 2=Disagree somewhat / 3=Neither agree nor disagree / 4=Agree somewhat / 5=Agree strongly / 6=Not sure  Q18\_1 training on best practices for data management.  Q18\_2 assistance on creating data management plans.  Q18\_3 assistance on creating metadata to describe my data or datasets.  Q18\_4 training on how to cite datasets. |

surveyOne$Q8\_5 # agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly

surveyTwo$Q22\_1 # 1 2 3 4 5 6 NA

surveyThree$Q18\_1 # 1 2 3 4 5 6 NA

# S1\_ Q8\_5 My organization or project provides training on best practices for data management.

dummy1Q = surveyOne$Q8\_5; dummyQ = dummy1Q;

# 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) ))

print(paste(' DummyQV1 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',(NNeith/zzz),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

DummyQV1 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz); DummyQV1

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 75 199 253 339 414 49 bigSumDummy = 1329 bigSumDummy-NNA = 1280"

# 0.05859 0.1555 0.1977 0.2648 0.3234

# DummyQV1 = c( 0.05859375, 0.15546875, 0.19765625, 0.26484375, 0.3234375 , 1280 )"

# S2\_ Q22\_1 training on best practices for data management.

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

dummy2Q = surveyTwo$Q22\_1; dummyQ = dummy2Q; 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]) == 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)))

# print(paste(' DummyQV2a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV2 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV2

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 57 151 ( 81 + 53 ) 125 203 345 bigSumDummy = 1015 bigSumDummy-NNA = 670

# 0.08507 0.2254 ( 0.1209 + 0.0791 ) 0.1866 0.303

# DummyQV2 = c( 0.0850746268656716 , 0.225373134328358 , 0.2 , 0.186567164179104 , 0.302985074626866 , 670 )

# S3\_ Q18\_1 training on best practices for data management.

dummyQ = surveyThree$Q18\_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: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)))

# print(paste(' DummyQV3a = c( ',(NStrAgree/zzz),' ',(NAgree/zzz),' ',(NNeith/zzz),' ',(NDis/zzz),' ',(NStrDis/zzz),' ',(NNotSure/zzz),', ',zzz,' )') )

print(paste(' DummyQV3 = c( ',(NStrAgree/zzz),', ',(NAgree/zzz),', ',((NNeith/zzz)+(NNotSure/zzz)),', ',(NDis/zzz),', ',(NStrDis/zzz),', ',zzz,' )') )

zzzz=(NNeith+NNotSure)/zzz

DummyQV3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz); # DummyQV3

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 163 398 ( 216 + 189 ) 354 474 390 bigSumDummy = 2184 bigSumDummy-NNA = 1794"

# 0.09086 0.2219 ( 0.1204 + 0.1054 ) 0.1973 0.2642"

# DummyQV3 = c( 0.0908584169453735 , 0.221850613154961 , 0.225752508361204 , 0.197324414715719 , 0.264214046822742 , 1794 )"

message1 = '08\_22\_18 My organization or project provides training on best practices for data management'

message2 = '08\_22\_18: My organization or project provides training \non best practices for data management'

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

dummyQV[1,]=DummyQV1; dummyQV[2,]=DummyQV2; dummyQV[3,]=DummyQV3; dummyQV # data are plotted left to right as they appear in the vectors

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 = 8; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message2, cex=0.8); dy=1; y1=0.5; x1=0

for (zz in 1:3) { # print(dummyQV[zz,4])

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

dx = 3; dy=0.15;x1 = 0;y1=3.8 # manual legend

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+11, y1+dy/2,"agree strongly", cex=0.6); x1=x1+22

rect(x1, y1, x1+dx, y1+dy, col= ScreaminGreen); text(x1+7, y1+dy/2,"agree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+8, y1+dy/2,"neither", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Sunglow); text(x1+8, y1+dy/2,"disagree", cex=0.6); x1=x1+19

rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+12, y1+dy/2,"disagree strongly", cex=0.6 ); x1=x1+19

text(-8, 1,"Surv1", cex=1, col=Violet ); text(-8, 2,"Surv2", cex=1, col=Violet ); text(-8, 3,"Surv3", cex=1, col=Violet )

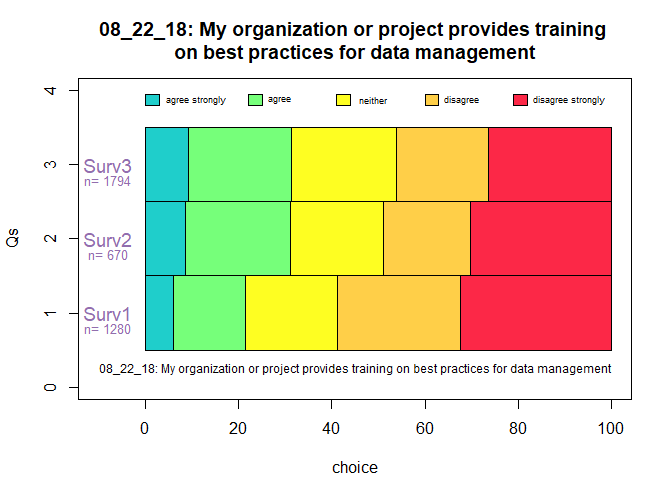
zzz=paste('n=',as.character(dummyQV[1,6])); text(-8,0.8,zzz, cex=0.8, col=Violet)

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)

text(45, 0.25,message1, cex=0.75, col=Black )

dev.off()



# Q08\_22\_18 --------- END ---------------------

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

|  |  |  |  |
| --- | --- | --- | --- |
| 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**

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

# 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

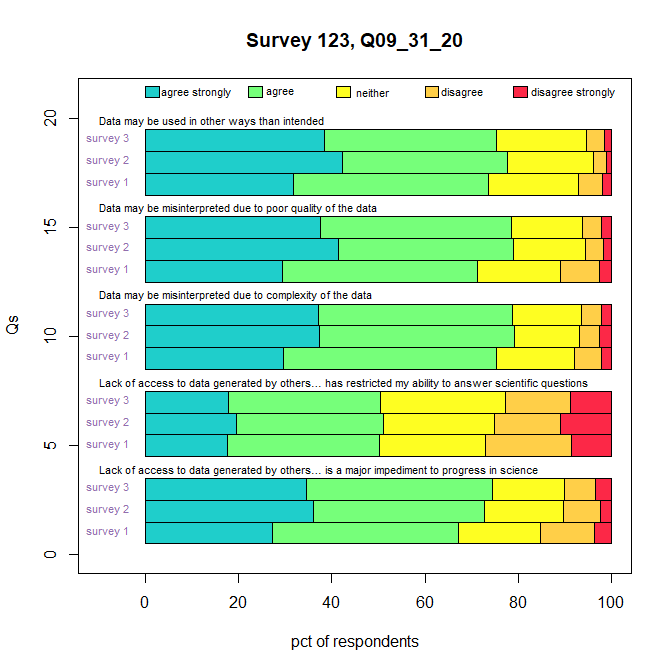
rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+13, y1+dy/2,"disagree strongly", cex= cexText); x1=x1+19

# 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)

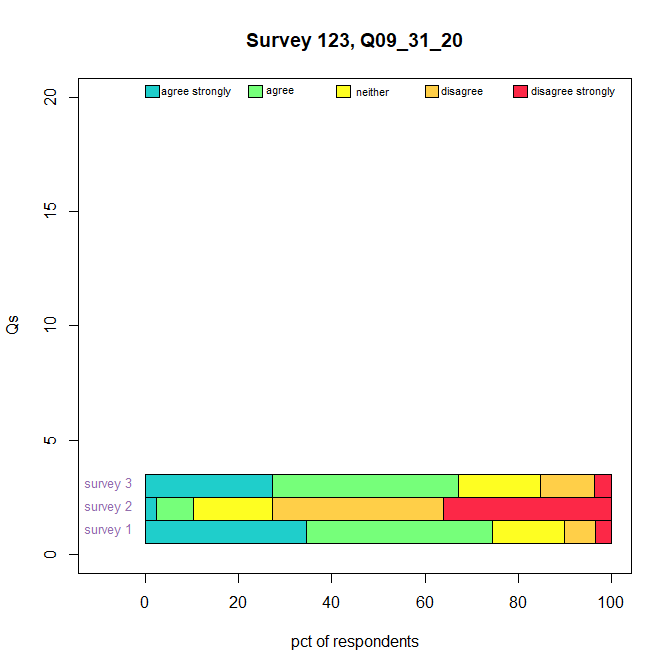
# zzz=paste('n=',as.character(dummyQV[3,6])); text(-8,2.8,zzz, cex=0.8, col=Violet)

#dev.off()



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

Note SURVEY 2 was revesed:



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

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

# Q10\_32\_19 --------- START ---------------------

|  |  |  |  |
| --- | --- | --- | --- |
| 10\_32\_19  HYP 1&2 | Q10 The following group of statements relates to **data sharing**. Tell us how much you agree with each using the following scale: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly.  Q10\_1 I would use other researchers' datasets if their datasets were easily accessible.  Q10\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.  Q10\_3 I would be willing to place all of my data into a central data repository with no restrictions.  Q10\_4 I would be more likely to make my data available if I could place conditions on access.  Q10\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.  Q10\_6 I would be willing to share data across a broad group of researchers who use data in different ways.  Q10\_7 It is important that my data are cited when used by other researchers.  Q10\_8 It is appropriate to create new datasets from shared data. | Q32 The following statements relate to **sharing scientific data**. Tell us how much you agree with each statement. agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly, not sure  Q32\_1 I would use other researchers' datasets if their datasets were easily accessible.  Q32\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.  Q32\_3 I would be willing to place all of my data into a central data repository with no restrictions.  Q32\_4 I would be more likely to make my data available if I could place conditions on access.  Q32\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.  Q32\_6 I would be willing to share data across a broad group of researchers.  Q32\_7 It is important that my data are cited when used by other researchers.  Q32\_8 It is appropriate to create new datasets from shared data. | Q19 The following statements relate to **sharing scientific data**. Tell us how much you agree with each statement. 1 = Disagree strongly, 2 = Disagree somewhat, 3 = Neither agree nor disagree, 4 = Agree somewhat, 5 = Agree strongly, 6 = Not Sure { issue here with variation among surveys in choices }  Q19\_1 I would use other researchers' datasets if their datasets were easily accessible.  Q19\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.  Q19\_3 I would be willing to place all of my data into a central data repository with no restrictions  Q19\_4 I would be more likely to make my data available if I could place conditions on access.  Q19\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.  Q19\_6 I would be willing to share data across a broad group of researchers.  Q19\_7 It is important that my data are cited when used by other researchers.  Q19\_8 It is appropriate to create new datasets from shared data. |

# S1\_Q10 The following group of statements relates to **data sharing**.

# S2\_Q32 The following statements relate to **sharing scientific data**

# S3\_Q19 The following statements relate to **sharing scientific data**

# SURVEY 1 ------------------------------------------------------------

# Q10 The following group of statements relates to data sharing. Tell us how much you agree with each using the following scale: agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly.

dummy1Q10\_1 = surveyOne$Q10\_1 # Q10\_1 I would use other researchers' datasets if their datasets were easily accessible.

dummy1Q10\_2 = surveyOne$Q10\_2 # Q10\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.

dummy1Q10\_3 = surveyOne$Q10\_3 # Q10\_3 I would be willing to place all of my data into a central data repository with no restrictions.

dummy1Q10\_4 = surveyOne$Q10\_4 # Q10\_4 I would be more likely to make my data available if I could place conditions on access.

dummy1Q10\_5 = surveyOne$Q10\_5 # Q10\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.

dummy1Q10\_6 = surveyOne$Q10\_6 # Q10\_6 I would be willing to share data across a broad group of researchers who use data in different ways.

dummy1Q10\_7 = surveyOne$Q10\_7 # Q10\_7 It is important that my data are cited when used by other researchers.

dummy1Q10\_8 = surveyOne$Q10\_8 # Q10\_8 It is appropriate to create new datasets from shared data.

dummyQ = dummy1Q10\_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) ))

dummy1QV10\_1 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 561 524 136 62 16 30 bigSumDummy = 1329 bigSumDummy-NNA = 1299

# 0.4319 0.4034 0.1047 0.04773 0.01232

dummyQ = dummy1Q10\_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) ))

dummy1QV10\_2 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 539 472 141 104 39 34 bigSumDummy = 1329 bigSumDummy-NNA = 1295

# 0.4162 0.3645 0.1089 0.08031 0.03012

dummyQ = dummy1Q10\_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) ))

dummy1QV10\_3 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 191 338 234 318 205 43 bigSumDummy = 1329 bigSumDummy-NNA = 1286

# 0.1485 0.2628 0.182 0.2473 0.1594

dummyQ = dummy1Q10\_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) ))

dummy1QV10\_4 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 317 506 279 107 68 52 bigSumDummy = 1329 bigSumDummy-NNA = 1277

# 0.2482 0.3962 0.2185 0.08379 0.05325

dummyQ = dummy1Q10\_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) ))

dummy1QV10\_5 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 156 419 363 275 69 47 bigSumDummy = 1329 bigSumDummy-NNA = 1282

# 0.1217 0.3268 0.2832 0.2145 0.05382

dummyQ = dummy1Q10\_6

# 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) ))

dummy1QV10\_6 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 476 565 185 48 13 42 bigSumDummy = 1329 bigSumDummy-NNA = 1287

# 0.3699 0.439 0.1437 0.0373 0.0101

dummyQ = dummy1Q10\_7

# 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) ))

dummy1QV10\_7 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 885 298 87 14 7 38 bigSumDummy = 1329 bigSumDummy-NNA = 1291

# 0.6855 0.2308 0.06739 0.01084 0.005422

dummyQ = dummy1Q10\_8

# 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) ))

dummy1QV10\_8 = c((NStrAgree/zzz),(NAgree/zzz),(NNeith/zzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree NNeith NDis NStrDis NNA

# 505 475 261 36 20 32 bigSumDummy = 1329 bigSumDummy-NNA = 1297

# 0.3894 0.3662 0.2012 0.02776 0.01542

dummy1QV10\_1

dummy1QV10\_2

dummy1QV10\_3

dummy1QV10\_4

dummy1QV10\_5

dummy1QV10\_6

dummy1QV10\_7

dummy1QV10\_8

**# dummy1QV10\_1 [1] 4.318707e-01 4.033872e-01 1.046959e-01 4.772902e-02 1.231717e-02 1.299000e+03**

**# dummy1QV10\_2 [1] 4.162162e-01 3.644788e-01 1.088803e-01 8.030888e-02 3.011583e-02 1.295000e+03**

**# dummy1QV10\_3 [1] 0.1485226 0.2628305 0.1819596 0.2472784 0.1594090 1286.0000000**

**# dummy1QV10\_4 [1] 2.482381e-01 3.962412e-01 2.184808e-01 8.379013e-02 5.324980e-02 1.277000e+03**

**# dummy1QV10\_5 [1] 1.216849e-01 3.268331e-01 2.831513e-01 2.145086e-01 5.382215e-02 1.282000e+03**

**# dummy1QV10\_6 [1] 3.698524e-01 4.390054e-01 1.437451e-01 3.729604e-02 1.010101e-02 1.287000e+03**

**# dummy1QV10\_7 [1] 6.855151e-01 2.308288e-01 6.738962e-02 1.084431e-02 5.422153e-03 1.291000e+03**

**# dummy1QV10\_8 [1] 3.893601e-01 3.662298e-01 2.012336e-01 2.775636e-02 1.542020e-02 1.297000e+03**

# SURVEY 2 ------------------------------------------------------------

# Q32 The following statements relate to sharing scientific data. Tell us how much you agree with each statement. agree strongly, agree somewhat, neither agree nor disagree, disagree somewhat, disagree strongly, not sure

dummy2Q32\_1 = surveyTwo$Q32\_1 # Q32\_1 I would use other researchers' datasets if their datasets were easily accessible.

dummy2Q32\_2 = surveyTwo$Q32\_2 # Q32\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.

dummy2Q32\_3 = surveyTwo$Q32\_3 # Q32\_3 I would be willing to place all of my data into a central data repository with no restrictions.

dummy2Q32\_4 = surveyTwo$Q32\_4 # Q32\_4 I would be more likely to make my data available if I could place conditions on access.

dummy2Q32\_5 = surveyTwo$Q32\_5 # Q32\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.

dummy2Q32\_6 = surveyTwo$Q32\_6 # Q32\_6 I would be willing to share data across a broad group of researchers.

dummy2Q32\_7 = surveyTwo$Q32\_7 # Q32\_7 It is important that my data are cited when used by other researchers.

dummy2Q32\_8 = surveyTwo$Q32\_8 # Q32\_8 It is appropriate to create new datasets from shared data.

# S2\_ Q32\_1 I would use other researchers' datasets if their datasets were easily accessible.

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

dummyQ = surveyTwo$Q32\_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

dummy2QV32\_1 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 8 15 ( 54 + 14 ) 257 295 372 bigSumDummy = 1015 bigSumDummy-NNA = 643

# 0.01244 0.02333 ( 0.08398 + 0.02177 ) 0.3997 0.4588

dummy2QV32\_1

# Q32\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.

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

dummyQ = surveyTwo$Q32\_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

dummy2QV32\_2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 26 29 ( 42 + 16 ) 216 310 376 bigSumDummy = 1015 bigSumDummy-NNA = 639

# 0.04069 0.04538 ( 0.06573 + 0.02504 ) 0.338 0.4851

# Q32\_3 I would be willing to place all of my data into a central data repository with no restrictions.

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

dummyQ = surveyTwo$Q32\_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

dummy2QV32\_3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 111 121 ( 87 + 31 ) 154 136 375 bigSumDummy = 1015 bigSumDummy-NNA = 640

# 0.1734 0.1891 ( 0.1359 + 0.04844 ) 0.2406 0.2125

# Q32\_4 I would be more likely to make my data available if I could place conditions on access.

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

dummyQ = surveyTwo$Q32\_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

dummy2QV32\_4 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 59 54 ( 118 + 32 ) 245 130 377 bigSumDummy = 1015 bigSumDummy-NNA = 638

# 0.09248 0.08464 ( 0.185 + 0.05016 ) 0.384 0.2038

# Q32\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.

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

dummyQ = surveyTwo$Q32\_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

dummy2QV32\_5 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 65 113 ( 130 + 37 ) 211 84 375 bigSumDummy = 1015 bigSumDummy-NNA = 640

# 0.1016 0.1766 ( 0.2031 + 0.05781 ) 0.3297 0.1313

# Q32\_6 I would be willing to share data across a broad group of researchers.

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

dummyQ = surveyTwo$Q32\_6; 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

dummy2QV32\_6 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 8 13 ( 54 + 18 ) 227 315 380 bigSumDummy = 1015 bigSumDummy-NNA = 635

# 0.0126 0.02047 ( 0.08504 + 0.02835 ) 0.3575 0.4961

# Q32\_7 It is important that my data are cited when used by other researchers.

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

dummyQ = surveyTwo$Q32\_7; 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

dummy2QV32\_7 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 5 15 ( 47 + 11 ) 162 398 377 bigSumDummy = 1015 bigSumDummy-NNA = 638

# 0.007837 0.02351 ( 0.07367 + 0.01724 ) 0.2539 0.6238

# Q32\_8 It is appropriate to create new datasets from shared data.

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

dummyQ = surveyTwo$Q32\_8; 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

dummy2QV32\_8 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 11 18 ( 93 + 41 ) 201 274 377 bigSumDummy = 1015 bigSumDummy-NNA = 638

# 0.01724 0.02821 ( 0.1458 + 0.06426 ) 0.315 0.4295

dummy2QV32\_1\_REV= dummy2QV32\_1

dummy2QV32\_1\_REV[1]= dummy2QV32\_1[5]; dummy2QV32\_1\_REV[2]= dummy2QV32\_1[4]; dummy2QV32\_1\_REV[4]= dummy2QV32\_1[2]; dummy2QV32\_1\_REV[5]= dummy2QV32\_1[1]

dummy2QV32\_2\_REV= dummy2QV32\_2

dummy2QV32\_2\_REV[1]= dummy2QV32\_2[5]; dummy2QV32\_2\_REV[2]= dummy2QV32\_2[4]; dummy2QV32\_2\_REV[4]= dummy2QV32\_2[2]; dummy2QV32\_2\_REV[5]= dummy2QV32\_2[1]

dummy2QV32\_3\_REV= dummy2QV32\_3

dummy2QV32\_3\_REV[1]= dummy2QV32\_3[5]; dummy2QV32\_3\_REV[2]= dummy2QV32\_3[4]; dummy2QV32\_3\_REV[4]= dummy2QV32\_3[2]; dummy2QV32\_3\_REV[5]= dummy2QV32\_3[1]

dummy2QV32\_4\_REV= dummy2QV32\_4

dummy2QV32\_4\_REV[1]= dummy2QV32\_4[5]; dummy2QV32\_4\_REV[2]= dummy2QV32\_4[4]; dummy2QV32\_4\_REV[4]= dummy2QV32\_4[2]; dummy2QV32\_4\_REV[5]= dummy2QV32\_4[1]

dummy2QV32\_5\_REV= dummy2QV32\_5

dummy2QV32\_5\_REV[1]= dummy2QV32\_5[5]; dummy2QV32\_5\_REV[2]= dummy2QV32\_5[4]; dummy2QV32\_5\_REV[4]= dummy2QV32\_5[2]; dummy2QV32\_5\_REV[5]= dummy2QV32\_5[1]

dummy2QV32\_6\_REV= dummy2QV32\_6

dummy2QV32\_6\_REV[1]= dummy2QV32\_6[5]; dummy2QV32\_6\_REV[2]= dummy2QV32\_6[4]; dummy2QV32\_6\_REV[4]= dummy2QV32\_6[2]; dummy2QV32\_6\_REV[5]= dummy2QV32\_6[1]

dummy2QV32\_7\_REV= dummy2QV32\_7

dummy2QV32\_7\_REV[1]= dummy2QV32\_7[5]; dummy2QV32\_7\_REV[2]= dummy2QV32\_7[4]; dummy2QV32\_7\_REV[4]= dummy2QV32\_7[2]; dummy2QV32\_7\_REV[5]= dummy2QV32\_7[1]

dummy2QV32\_8\_REV= dummy2QV32\_8

dummy2QV32\_8\_REV[1]= dummy2QV32\_8[5]; dummy2QV32\_8\_REV[2]= dummy2QV32\_8[4]; dummy2QV32\_8\_REV[4]= dummy2QV32\_8[2]; dummy2QV32\_8\_REV[5]= dummy2QV32\_8[1]

dummy2QV32\_1

dummy2QV32\_2

dummy2QV32\_3

dummy2QV32\_4

dummy2QV32\_5

dummy2QV32\_6

dummy2QV32\_7

dummy2QV32\_8

**# dummy2QV32\_1 [1] 0.01244168 0.02332815 0.10575428 0.39968896 0.45878694 643.00000000**

**# dummy2QV32\_2 [1] 0.04068858 0.04538341 0.09076682 0.33802817 0.48513302 639.00000000**

**# ummy2QV32\_3 [1] 0.1734375 0.1890625 0.1843750 0.2406250 0.2125000 640.0000000**

**# dummy2QV32\_4 [1] 0.09247649 0.08463950 0.23510972 0.38401254 0.20376176 638.00000000**

**# dummy2QV32\_5 [1] 0.1015625 0.1765625 0.2609375 0.3296875 0.1312500 640.0000000**

**# dummy2QV32\_6 [1] 0.01259843 0.02047244 0.11338583 0.35748031 0.49606299 635.00000000**

**# dummy2QV32\_7 [1] 7.836991e-03 2.351097e-02 9.090909e-02 2.539185e-01 6.238245e-01 6.380000e+02**

**# dummy2QV32\_8 [1] 0.01724138 0.02821317 0.21003135 0.31504702 0.42946708 638.00000000**

dummy2QV32\_1\_REV

dummy2QV32\_2\_REV

dummy2QV32\_3\_REV

dummy2QV32\_4\_REV

dummy2QV32\_5\_REV

dummy2QV32\_6\_REV

dummy2QV32\_7\_REV

dummy2QV32\_8\_REV

**# dummy2QV32\_1\_REV [1] 0.45878694 0.39968896 0.10575428 0.02332815 0.01244168 643.00000000**

**# dummy2QV32\_2\_REV [1] 0.48513302 0.33802817 0.09076682 0.04538341 0.04068858 639.00000000**

**# dummy2QV32\_3\_REV [1] 0.2125000 0.2406250 0.1843750 0.1890625 0.1734375 640.0000000**

**# dummy2QV32\_4\_REV [1] 0.20376176 0.38401254 0.23510972 0.08463950 0.09247649 638.00000000**

**# dummy2QV32\_5\_REV [1] 0.1312500 0.3296875 0.2609375 0.1765625 0.1015625 640.0000000**

**# dummy2QV32\_6\_REV [1] 0.49606299 0.35748031 0.11338583 0.02047244 0.01259843 635.00000000**

**# dummy2QV32\_7\_REV [1] 6.238245e-01 2.539185e-01 9.090909e-02 2.351097e-02 7.836991e-03 6.380000e+02**

**# dummy2QV32\_8\_REV [1] 0.42946708 0.31504702 0.21003135 0.02821317 0.01724138 638.00000000**

# SURVEY 3 ------------------------------------------------------------

# S3\_Q19 The following statements relate to sharing scientific data. Tell us how much you agree with each statement. 1 = Disagree strongly, 2 = Disagree somewhat, 3 = Neither agree nor disagree, 4 = Agree somewhat, 5 = Agree strongly, 6 = Not Sure { issue here with variation among surveys in choices }

dummy3Q19\_1 = surveyThree$Q19\_1 # S3\_Q19\_1 I would use other researchers' datasets if their datasets were easily accessible.

dummy3Q19\_2 = surveyThree$Q19\_2 # S3\_Q19\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.

dummy3Q19\_3 = surveyThree$Q19\_3 # S3\_Q19\_3 I would be willing to place all of my data into a central data repository with no restrictions

dummy3Q19\_4 = surveyThree$Q19\_4 # S3\_Q19\_4 I would be more likely to make my data available if I could place conditions on access.

dummy3Q19\_5 = surveyThree$Q19\_5 # S3\_Q19\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.

dummy3Q19\_6 = surveyThree$Q19\_6 # S3\_Q19\_6 I would be willing to share data across a broad group of researchers.

dummy3Q19\_7 = surveyThree$Q19\_7 # S3\_Q19\_7 It is important that my data are cited when used by other researchers.

dummy3Q19\_8 = surveyThree$Q19\_8 # S3\_Q19\_8 It is appropriate to create new datasets from shared data.

# S3\_Q19\_1 I would use other researchers' datasets if their datasets were easily accessible.

dummyQ = surveyThree$Q19\_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

dummy3QV19\_1 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

# 1040 521 ( 100 + 43 ) 50 40 390 bigSumDummy = 2184 bigSumDummy-NNA = 1794

# 0.5797 0.2904 ( 0.05574 + 0.02397 ) 0.02787 0.0223

# S3\_Q19\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.

dummyQ = surveyThree$Q19\_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

dummy3QV19\_2 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

#

# S3\_Q19\_3 I would be willing to place all of my data into a central data repository with no restrictions

dummyQ = surveyThree$Q19\_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

dummy3QV19\_3 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

#

# S3\_Q19\_4 I would be more likely to make my data available if I could place conditions on access.

dummyQ = surveyThree$Q19\_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

dummy3QV19\_4 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

#

# S3\_Q19\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.

dummyQ = surveyThree$Q19\_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

dummy3QV19\_5 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

#

# S3\_Q19\_6 I would be willing to share data across a broad group of researchers.

dummyQ = surveyThree$Q19\_6; 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

dummy3QV19\_6 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

#

# S3\_Q19\_7 It is important that my data are cited when used by other researchers.

dummyQ = surveyThree$Q19\_7; 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

dummy3QV19\_7 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

#

# S3\_Q19\_8 It is appropriate to create new datasets from shared data.

dummyQ = surveyThree$Q19\_8; 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

dummy3QV19\_8 = c((NStrAgree/zzz),(NAgree/zzz),(zzzz),(NDis/zzz),(NStrDis/zzz),zzz)

# NStrAgree NAgree (NNeith + NNotSure) NDis NStrDis NNA

#

dummy3QV19\_1

dummy3QV19\_2

dummy3QV19\_3

dummy3QV19\_4

dummy3QV19\_5

dummy3QV19\_6

dummy3QV19\_7

dummy3QV19\_8

**# dummy3QV19\_1 [1] 5.797101e-01 2.904125e-01 7.971014e-02 2.787068e-02 2.229654e-02 1.794000e+03**

**# dummy3QV19\_2 [1] 4.672269e-01 3.053221e-01 1.120448e-01 6.778711e-02 4.761905e-02 1.785000e+03**

**# dummy3QV19\_3 [1] 0.1923510 0.2525309 0.1788526 0.1867267 0.1895388 1778.0000000**

**# dummy3QV19\_4 [1] 2.416901e-01 3.222535e-01 2.129577e-01 1.245070e-01 9.859155e-02 1.775000e+03**

**# dummy3QV19\_5 [1] 1.696731e-01 3.286359e-01 2.626832e-01 1.741826e-01 6.482525e-02 1.774000e+03**

**# dummy3QV19\_6 [1] 5.377252e-01 3.288288e-01 9.515766e-02 2.139640e-02 1.689189e-02 1.776000e+03**

**# dummy3QV19\_7 [1] 7.242544e-01 1.963984e-01 5.627462e-02 1.181767e-02 1.125492e-02 1.777000e+03**

**# dummy3QV19\_8 [1] 4.031532e-01 2.995495e-01 2.398649e-01 3.603604e-02 2.139640e-02 1.776000e+03**

dummy2QV32\_1\_REV

dummy2QV32\_2\_REV

dummy2QV32\_3\_REV

dummy2QV32\_4\_REV

dummy2QV32\_5\_REV

dummy2QV32\_6\_REV

dummy2QV32\_7\_REV

dummy2QV32\_8\_REV

**# dummy2QV32\_1\_REV [1] 0.45878694 0.39968896 0.10575428 0.02332815 0.01244168 643.00000000**

**# dummy2QV32\_2\_REV [1] 0.48513302 0.33802817 0.09076682 0.04538341 0.04068858 639.00000000**

**# dummy2QV32\_3\_REV [1] 0.2125000 0.2406250 0.1843750 0.1890625 0.1734375 640.0000000**

**# dummy2QV32\_4\_REV [1] 0.20376176 0.38401254 0.23510972 0.08463950 0.09247649 638.00000000**

**# dummy2QV32\_5\_REV [1] 0.1312500 0.3296875 0.2609375 0.1765625 0.1015625 640.0000000**

**# dummy2QV32\_6\_REV [1] 0.49606299 0.35748031 0.11338583 0.02047244 0.01259843 635.00000000**

**# dummy2QV32\_7\_REV [1] 6.238245e-01 2.539185e-01 9.090909e-02 2.351097e-02 7.836991e-03 6.380000e+02**

**# dummy2QV32\_8\_REV [1] 0.42946708 0.31504702 0.21003135 0.02821317 0.01724138 638.00000000**

dummy1QV10\_1

dummy1QV10\_2

dummy1QV10\_3

dummy1QV10\_4

dummy1QV10\_5

dummy1QV10\_6

dummy1QV10\_7

dummy1QV10\_8

**# dummy1QV10\_1 [1] 4.318707e-01 4.033872e-01 1.046959e-01 4.772902e-02 1.231717e-02 1.299000e+03**

**# dummy1QV10\_2 [1] 4.162162e-01 3.644788e-01 1.088803e-01 8.030888e-02 3.011583e-02 1.295000e+03**

**# dummy1QV10\_3 [1] 0.1485226 0.2628305 0.1819596 0.2472784 0.1594090 1286.0000000**

**# dummy1QV10\_4 [1] 2.482381e-01 3.962412e-01 2.184808e-01 8.379013e-02 5.324980e-02 1.277000e+03**

**# dummy1QV10\_5 [1] 1.216849e-01 3.268331e-01 2.831513e-01 2.145086e-01 5.382215e-02 1.282000e+03**

**# dummy1QV10\_6 [1] 3.698524e-01 4.390054e-01 1.437451e-01 3.729604e-02 1.010101e-02 1.287000e+03**

**# dummy1QV10\_7 [1] 6.855151e-01 2.308288e-01 6.738962e-02 1.084431e-02 5.422153e-03 1.291000e+03**

**# dummy1QV10\_8 [1] 3.893601e-01 3.662298e-01 2.012336e-01 2.775636e-02 1.542020e-02 1.297000e+03**

#Q10\_32\_19 The following statements relate to sharing scientific data. Tell us how much you agree with each statement.

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

#\_1 I would use other researchers' datasets if their datasets were easily accessible.

#\_2 I would be willing to place at least some of my data into a central data repository with no restrictions.

#\_3 I would be willing to place all of my data into a central data repository with no restrictions

#\_4 I would be more likely to make my data available if I could place conditions on access.

#\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.

#\_6 I would be willing to share data across a broad group of researchers.

#\_7 It is important that my data are cited when used by other researchers.

#\_8 It is appropriate to create new datasets from shared data.

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

message1 = 'Survey 123, Q10\_32\_19, items \_1 to \_4'

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 = 17; 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

y1=y1+0

itemX = paste('I would be more likely to make my data available if I could place conditions on access')

dummyQV[3,]=dummy3QV19\_4; dummyQV[2,]=dummy2QV32\_4\_REV; dummyQV[1,]=dummy1QV10\_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('I would be willing to place all of my data into a central data repository with no restrictions')

dummyQV[3,]=dummy3QV19\_3; dummyQV[2,]=dummy2QV32\_3\_REV; dummyQV[1,]=dummy1QV10\_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('I would be willing to place at least some of my data into a central data repository with no restrictions')

dummyQV[3,]=dummy3QV19\_2; dummyQV[2,]=dummy2QV32\_2\_REV; dummyQV[1,]=dummy1QV10\_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('I would use other researchers\' datasets if their datasets were easily accessible')

dummyQV[3,]=dummy3QV19\_1; dummyQV[2,]=dummy2QV32\_1\_REV; dummyQV[1,]=dummy1QV10\_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 )

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

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+12, 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()

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

#\_5 I am satisfied with my ability to integrate data from disparate sources to address research questions.

#\_6 I would be willing to share data across a broad group of researchers.

#\_7 It is important that my data are cited when used by other researchers.

#\_8 It is appropriate to create new datasets from shared data.

message1 = 'Survey 123, Q10\_32\_19, items \_5 to \_8'

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 = 17; 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

y1=y1+0

itemX = paste('It is appropriate to create new datasets from shared data')

dummyQV[3,]=dummy3QV19\_8; dummyQV[2,]=dummy2QV32\_8\_REV; dummyQV[1,]=dummy1QV10\_8; 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('It is important that my data are cited when used by other researchers')

dummyQV[3,]=dummy3QV19\_7; dummyQV[2,]=dummy2QV32\_7\_REV; dummyQV[1,]=dummy1QV10\_7; 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('I would be willing to share data across a broad group of researchers')

dummyQV[3,]=dummy3QV19\_6; dummyQV[2,]=dummy2QV32\_6\_REV; dummyQV[1,]=dummy1QV10\_6; 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('I am satisfied with my ability to integrate data from disparate sources to address research questions')

dummyQV[3,]=dummy3QV19\_5; dummyQV[2,]=dummy2QV32\_5\_REV; dummyQV[1,]=dummy1QV10\_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+12, 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

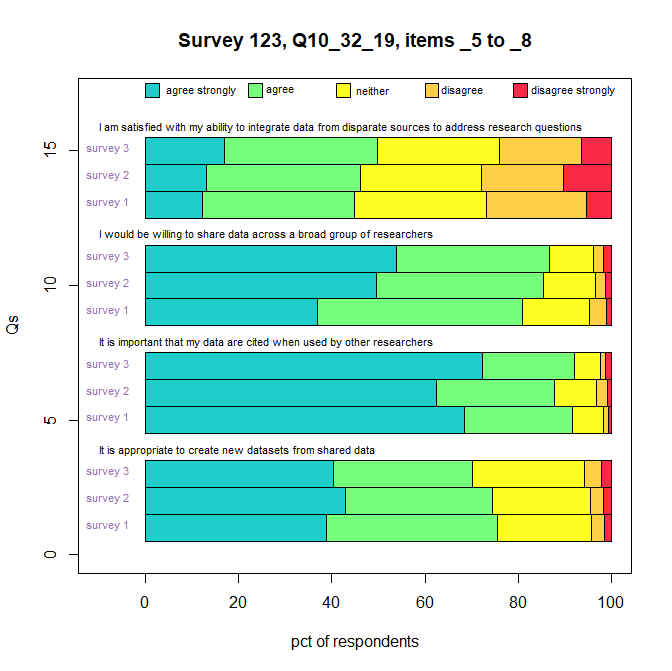
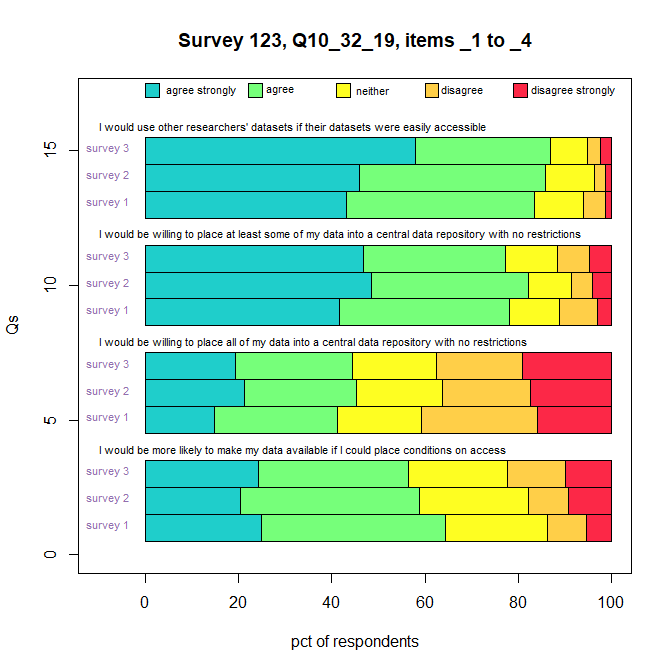
rect(x1, y1, x1+dx, y1+dy, col= Scarlet); text(x1+13, y1+dy/2,"disagree strongly", cex= cexText); x1=x1+19

# 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()



**# see PLOS Table 7 these are exact matches…**

zz19\_1 = dummy3QV19\_1[1]+dummy3QV19\_1[2]; zz19\_1

zz19\_2 = dummy3QV19\_2[1]+dummy3QV19\_2[2]; zz19\_2

zz19\_3 = dummy3QV19\_3[1]+dummy3QV19\_3[2]; zz19\_3

zz19\_4 = dummy3QV19\_4[1]+dummy3QV19\_4[2]; zz19\_4

zz19\_5 = dummy3QV19\_5[1]+dummy3QV19\_5[2]; zz19\_5

zz19\_6 = dummy3QV19\_6[1]+dummy3QV19\_6[2]; zz19\_6

zz19\_7 = dummy3QV19\_7[1]+dummy3QV19\_7[2]; zz19\_7

zz19\_8 = dummy3QV19\_8[1]+dummy3QV19\_8[2]; zz19\_8

# zz19\_1 = dummy3QV19\_1[1]+dummy3QV19\_1[2]; zz19\_1 [1] 0.8701226

# zz19\_2 = dummy3QV19\_2[1]+dummy3QV19\_2[2]; zz19\_2 [1] 0.772549

# zz19\_3 = dummy3QV19\_3[1]+dummy3QV19\_3[2]; zz19\_3 [1] 0.4448819

# zz19\_4 = dummy3QV19\_4[1]+dummy3QV19\_4[2]; zz19\_4 [1] 0.5639437

# zz19\_5 = dummy3QV19\_5[1]+dummy3QV19\_5[2]; zz19\_5 [1] 0.4983089

# zz19\_6 = dummy3QV19\_6[1]+dummy3QV19\_6[2]; zz19\_6 [1] 0.8665541

# zz19\_7 = dummy3QV19\_7[1]+dummy3QV19\_7[2]; zz19\_7 [1] 0.9206528

# zz19\_8 = dummy3QV19\_8[1]+dummy3QV19\_8[2]; zz19\_8 [1] 0.7027027

# Q10\_32\_19 --------- END ---------------------

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

# Q11\_19\_15 --------- START ---------------------

|  |  |  |  |
| --- | --- | --- | --- |
| **11\_19\_15**  HYP 1&2 | Q11 Is each of the following conditions a fair exchange for the use of your data or a fair exchange for the use of other people's data? yes/ no  \_a For others to use my data…  \_b To use other people's data…  Q11\_1 Co-authorship on publications resulting from use of the data  Q11\_2 Formal acknowledgement of the data providers and/or funding agencies in all disseminated work making use of the data  Q11\_3 Formal citation of the data providers and/or funding agencies in all disseminated work making use of the data  Q11\_4 The opportunity to collaborate on the project (including, for example, consultation on analytic methods, interpretation of results, dissemination of research results, etc.)  Q11\_5 Results based (at least in part) on the data could not be disseminated in any format without the data provider's approval.  Q11\_6 At least part of the costs of data acquisition, retrieval or provision must be recovered.  Q11\_7 Results based (at least in part) on the data could not be disseminated without the data provider having the opportunity to review the results and make suggestions or comments, but approval not required.  Q11\_8 Reprints of articles that make use of the data must be provided to the data provider.  Q11\_9 The data provider is given a complete list of all products that make use of the data, including articles, presentations, educational materials, etc.  Q11\_10 Legal permission for data use is obtained.  Q11\_11 Mutual agreement on reciprocal sharing of data  Q11\_12 The data provider is given and agrees to a statement of uses to which the data will be put.  (\* are we sure about the scoring matrix in Survey 1? -- this is a tricky table with two nested columns. Verify Qualtrix coding?? \*) | Q19 The following statements relate to conditions for use of your data . For others to use my data, I would expect the following in exchange... Indicate whether you agree or disagree with each condition. (1=yes / 2=no / 3=not sure)  note: all of thse are For others to use my data…  Q19\_1 co-authorship on publications resulting from use of the data.  Q19\_2 acknowledgement of the data providers in all disseminated work making use of the data.  Q19\_3 citation of the data providers in all disseminated work making use of the data.  Q19\_4 the opportunity to collaborate on a project using the data.  Q19\_5 results based (at least in part) on the data could not be disseminated in any format without the data provider's approval.  Q19\_6 at least part of the costs of data acquisition, retrieval or provision must be recovered.  Q19\_7 results based (at least in part) on the data could not be disseminated without the data provider having the opportunity to review the results and make suggestions or comments, but approval not required.  Q19\_8 reprints of articles that make use of the data must be provided to the data provider.  Q19\_9 the data provider is given a complete list of all products that make use of the data, including articles, presentations, educational materials, etc.  Q19\_10 legal permission for data use is obtained.  Q19\_11 mutual agreement on reciprocal sharing of data.  Q19\_12 the data provider is given and agrees to a statement of uses to which the data will be put. | Q15 The following statements relate to conditions for use of your data. Indicate whether you agree or disagree with each condition. For others to use my data, I would expect the following in exchange: (1=Yes /2=no/ 3=not sure) { issue here with variation among surveys in choices }  note: all of thse are For others to use my data…  Q15\_1 Co-authorship on publications resulting from use of the data.  Q15\_2 Acknowledgement of the data providers in all disseminated work making use of the data.  Q15\_3 Citation of the data providers in all disseminated work making use of the data.  Q15\_4 The opportunity to collaborate on a project using the data.  Q15\_5 Results based (at least in part) on the data could not be disseminated in any format without the data provider's approval.  Q15\_6 Results based (at least in part) on the data could not be disseminated without the data provider having the opportunity to review the results and make suggestions or comments, but approval not required.  Q15\_7 Reprints of articles that make use of the data must be provided to the data provider,  Q15\_8 The data provider is given a complete list of all products that make use of the data, including articles, presentations, educational materials, etc.  Q15\_9 Legal permission for data use is obtained.  Q15\_10 Mutual agreement on reciprocal sharing of data.  Q15\_11 The data provider is given and agrees to a statement of uses to which the data will be put. |

# Q11\_19\_15

# Q11 Is each of the following conditions a fair exchange for the use of your data or a fair exchange for the use of other people's data? yes/ no

# Q19 The following statements relate to conditions for use of your data. Indicate whether you agree or disagree with each condition. (1=yes / 2=no / 3=not sure)

# Q15 The following statements relate to conditions for use of your data. Indicate whether you agree or disagree with each condition. For others to use my data, I would expect the following in exchange: (1=Yes /2=no/ 3=not sure) { issue here with variation among surveys in choices }

# --- survey 1 --------- For others to use my data -----------------

dummy1Q11\_1 = surveyOne$Q11a\_1 # S1\_Q11\_1 Co-authorship on publications resulting from use of the data, For others to use my data

dummy1Q11\_2 = surveyOne$Q11a\_2 # S1\_Q11\_2 Formal acknowledgement of the data providers and/or funding agencies in all disseminated work making use of the data, For others to use my data

dummy1Q11\_3 = surveyOne$Q11a\_3 # S1\_Q11\_3 Formal citation of the data providers and/or funding agencies in all disseminated work making use of the data, For others to use my data

dummy1Q11\_4 = surveyOne$Q11a\_4 # S1\_Q11\_4 The opportunity to collaborate on the project (including, for example, consultation on analytic methods, interpretation of results, dissemination of research results, etc.), For others to use my data

dummy1Q11\_1

# S1\_Q11\_1 Co-authorship on publications resulting from use of the data

dummyQ = dummy1Q11\_1; NYes=0; NNo=0; NNA=0

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes }; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo }; if (dummyQ[zz] == ' ' ) { NNA = 1+ NNA } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy,' bigN1 = ', (bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy1QV11\_1 = c(NYes/zzz, NNo/zzz, zzz)

# NYes NNo bigSumDummy

# 751 506 1257 bigN1 = 1329

# 0.5975 0.4025

# S1\_Q11\_2 Formal acknowledgement of the data providers and/or funding agencies in all disseminated work making use of the data

dummyQ = dummy1Q11\_2; NYes=0; NNo=0; NNA=0

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes }; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo }; if (dummyQ[zz] == ' ' ) { NNA = 1+ NNA } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy,' bigN1 = ', (bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy1QV11\_2 = c(NYes/zzz, NNo/zzz, zzz)

# NYes NNo bigSumDummy

# 1168 88 1256 bigN1 = 1329

# 0.9299 0.07006

# S1\_Q11\_3 Formal citation of the data providers and/or funding agencies in all disseminated work making use of the data

dummyQ = dummy1Q11\_3; NYes=0; NNo=0; NNA=0

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes }; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo }; if (dummyQ[zz] == ' ' ) { NNA = 1+ NNA } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy,' bigN1 = ', (bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy1QV11\_3 = c(NYes/zzz, NNo/zzz, zzz)

# NYes NNo bigSumDummy

# 1166 68 1234 bigN1 = 1329

# 0.9449 0.05511

# S1\_Q11\_4 The opportunity to collaborate on the project (including, for example, consultation on analytic methods, interpretation of results, dissemination of research results, etc.)

dummyQ = dummy1Q11\_4; NYes=0; NNo=0; NNA=0

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes }; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo }; if (dummyQ[zz] == ' ' ) { NNA = 1+ NNA } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy,' bigN1 = ', (bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy1QV11\_4 = c(NYes/zzz, NNo/zzz, zzz)

# NYes NNo bigSumDummy

# 991 239 1230 bigN1 = 1329

# 0.8057 0.1943

dummy1QV11\_1

dummy1QV11\_2

dummy1QV11\_3

dummy1QV11\_4

**# dummy1QV11\_1 [1] 0.5974543 0.4025457 1257.0000000**

**# dummy1QV11\_2 [1] 9.299363e-01 7.006369e-02 1.256000e+03**

**# dummy1QV11\_3 [1] 9.448947e-01 5.510535e-02 1.234000e+03**

**# dummy1QV11\_4 [1] 0.8056911 0.1943089 1230.0000000**

# --- survey 2 -------------------------------------------------------------

dummy2Q19\_1 = surveyTwo$Q19\_1 # S2\_Q19\_1 co-authorship on publications resulting from use of the data.

dummy2Q19\_2 = surveyTwo$Q19\_2 # S2\_Q19\_2 acknowledgement of the data providers in all disseminated work making use of the data.

dummy2Q19\_3 = surveyTwo$Q19\_3 # S2\_Q19\_3 citation of the data providers in all disseminated work making use of the data.

dummy2Q19\_4 = surveyTwo$Q19\_4 # S2\_Q19\_4 the opportunity to collaborate on a project using the data.

dummy2Q19\_1

# S2\_Q19\_1 co-authorship on publications resulting from use of the data.

dummyQ = dummy2Q19\_1; NYes=0; NNo=0; NUnsure=0; NNA=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==3) { NUnsure = 1+ NUnsure }

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

bigSumDummy = NYes+NNo+NUnsure; zzz= bigSumDummy; print(paste(' ',NYes,' ',NUnsure,' ',NNo,' ', NNA,' ', bigSumDummy,' bigN2 = ',( bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NUnsure/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy2QV19\_1 = c(NYes/zzz, NUnsure/zzz, NNo/zzz, zzz)

# NYes NUnsure NNo NNA bigSumDummy

# 252 209 235 319 696 bigN2 = 1015

# 0.3621 0.3003 0.3376

dummy2QV19\_1

# S2\_Q19\_2 acknowledgement of the data providers in all disseminated work making use of the data.

dummyQ = dummy2Q19\_2; NYes=0; NNo=0; NUnsure=0; NNA=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==3) { NUnsure = 1+ NUnsure }

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

bigSumDummy = NYes+NNo+NUnsure; zzz= bigSumDummy; print(paste(' ',NYes,' ',NUnsure,' ',NNo,' ', NNA,' ', bigSumDummy,' bigN2 = ',( bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NUnsure/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy2QV19\_2 = c(NYes/zzz, NUnsure/zzz, NNo/zzz, zzz)

# NYes NUnsure NNo NNA bigSumDummy

# 608 47 38 322 693 bigN2 = 1015

# 0.8773 0.06782 0.05483

# S2\_Q19\_3 citation of the data providers in all disseminated work making use of the data.

dummyQ = dummy2Q19\_3; NYes=0; NNo=0; NUnsure=0; NNA=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==3) { NUnsure = 1+ NUnsure }

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

bigSumDummy = NYes+NNo+NUnsure; zzz= bigSumDummy; print(paste(' ',NYes,' ',NUnsure,' ',NNo,' ', NNA,' ', bigSumDummy,' bigN2 = ',( bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NUnsure/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy2QV19\_3 = c(NYes/zzz, NUnsure/zzz, NNo/zzz, zzz)

# NYes NUnsure NNo NNA bigSumDummy

# 594 59 45 317 698 bigN2 = 1015

# 0.851 0.08453 0.06447

# S2\_Q19\_4 the opportunity to collaborate on a project using the data.

dummyQ = dummy2Q19\_4; NYes=0; NNo=0; NUnsure=0; NNA=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==3) { NUnsure = 1+ NUnsure }

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

bigSumDummy = NYes+NNo+NUnsure; zzz= bigSumDummy; print(paste(' ',NYes,' ',NUnsure,' ',NNo,' ', NNA,' ', bigSumDummy,' bigN2 = ',( bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NUnsure/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy2QV19\_4 = c(NYes/zzz, NUnsure/zzz, NNo/zzz, zzz)

# NYes NUnsure NNo NNA bigSumDummy

# 409 151 137 318 697 bigN2 = 1015

# 0.5868 0.2166 0.1966

dummy2QV19\_1

dummy2QV19\_2

dummy2QV19\_3

dummy2QV19\_4

**# dummy2QV19\_1 [1] 0.3620690 0.3002874 0.3376437 696.0000000**

**# dummy2QV19\_2 [1] 0.87734488 0.06782107 0.05483405 693.00000000**

**# dummy2QV19\_3 [1] 0.85100287 0.08452722 0.06446991 698.00000000**

**# dummy2QV19\_4 [1] 0.5868006 0.2166428 0.1965567 697.0000000**

# --- survey 3 -------------------------------------------------------------

dummy3Q15\_1 = surveyThree$Q15\_1 # S3\_Q15\_1 Co-authorship on publications resulting from use of the data.

dummy3Q15\_2 = surveyThree$Q15\_2 # S3\_Q15\_2 Acknowledgement of the data providers in all disseminated work making use of the data.

dummy3Q15\_3 = surveyThree$Q15\_3 # S3\_Q15\_3 Citation of the data providers in all disseminated work making use of the data.

dummy3Q15\_4 = surveyThree$Q15\_4 # S3\_Q15\_4 The opportunity to collaborate on a project using the data.

dummy3Q15\_1

# S3\_Q15\_1 Co-authorship on publications resulting from use of the data.

dummyQ = dummy3Q15\_1; NYes=0; NNo=0; NUnsure=0; NNA=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==3) { NUnsure = 1+ NUnsure }

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

bigSumDummy = NYes+NNo+NUnsure; zzz= bigSumDummy; print(paste(' ',NYes,' ',NUnsure,' ',NNo,' ', NNA,' ', bigSumDummy,' bigN3 = ',( bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NUnsure/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy3QV15\_1 = c(NYes/zzz, NUnsure/zzz, NNo/zzz, zzz)

# NYes NUnsure NNo NNA bigSumDummy

# 677 421 697 389 1795 bigN3 = 2184

# 0.3772 0.2345 0.3883

# S3\_Q15\_2 Acknowledgement of the data providers in all disseminated work making use of the data.

dummyQ = dummy3Q15\_2; NYes=0; NNo=0; NUnsure=0; NNA=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==3) { NUnsure = 1+ NUnsure }

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

bigSumDummy = NYes+NNo+NUnsure; zzz= bigSumDummy; print(paste(' ',NYes,' ',NUnsure,' ',NNo,' ', NNA,' ', bigSumDummy,' bigN3 = ',( bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NUnsure/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy3QV15\_2 = c(NYes/zzz, NUnsure/zzz, NNo/zzz, zzz)

# NYes NUnsure NNo NNA bigSumDummy

# 1580 117 92 395 1789 bigN3 = 2184

# 0.8832 0.0654 0.05143

# S3\_Q15\_3 Citation of the data providers in all disseminated work making use of the data.

dummyQ = dummy3Q15\_3; NYes=0; NNo=0; NUnsure=0; NNA=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==3) { NUnsure = 1+ NUnsure }

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

bigSumDummy = NYes+NNo+NUnsure; zzz= bigSumDummy; print(paste(' ',NYes,' ',NUnsure,' ',NNo,' ', NNA,' ', bigSumDummy,' bigN3 = ',( bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NUnsure/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy3QV15\_3 = c(NYes/zzz, NUnsure/zzz, NNo/zzz, zzz)

# NYes NUnsure NNo NNA bigSumDummy

# 1552 137 100 395 1789 bigN3 = 2184

# 0.8675 0.07658 0.0559

# S3\_Q15\_4 The opportunity to collaborate on a project using the data.

dummyQ = dummy3Q15\_4; NYes=0; NNo=0; NUnsure=0; NNA=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==3) { NUnsure = 1+ NUnsure }

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

bigSumDummy = NYes+NNo+NUnsure; zzz= bigSumDummy; print(paste(' ',NYes,' ',NUnsure,' ',NNo,' ', NNA,' ', bigSumDummy,' bigN3 = ',( bigSumDummy+NNA) ));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NUnsure/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

dummy3QV15\_4 = c(NYes/zzz, NUnsure/zzz, NNo/zzz, zzz)

# NYes NUnsure NNo NNA bigSumDummy

# 1042 359 380 403 1781 bigN3 = 2184

# 0.5851 0.2016 0.2134

dummy3QV15\_1

dummy3QV15\_2

dummy3QV15\_3

dummy3QV15\_4

**# dummy3QV15\_1 [1] 0.3771588 0.2345404 0.3883008 1795.0000000**

**# dummy3QV15\_2 [1] 8.831750e-01 6.539966e-02 5.142538e-02 1.789000e+03**

**# dummy3QV15\_3 [1] 8.675238e-01 7.657909e-02 5.589715e-02 1.789000e+03**

**# dummy3QV15\_4 [1] 0.5850646 0.2015722 0.2133633 1781.0000000**

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

dummy1QV11\_1

dummy1QV11\_2

dummy1QV11\_3

dummy1QV11\_4

**# dummy1QV11\_1 [1] 0.5974543 0.4025457 1257.0000000**

**# dummy1QV11\_2 [1] 9.299363e-01 7.006369e-02 1.256000e+03**

**# dummy1QV11\_3 [1] 9.448947e-01 5.510535e-02 1.234000e+03**

**# dummy1QV11\_4 [1] 0.8056911 0.1943089 1230.0000000**

dummy1QV11\_1\_Temp=c(dummy1QV11\_1[1], 0, dummy1QV11\_1[2], dummy1QV11\_1[3])

dummy1QV11\_2\_Temp=c(dummy1QV11\_2[1], 0, dummy1QV11\_2[2], dummy1QV11\_1[3])

dummy1QV11\_3\_Temp=c(dummy1QV11\_3[1], 0, dummy1QV11\_3[2], dummy1QV11\_1[3])

dummy1QV11\_4\_Temp=c(dummy1QV11\_4[1], 0, dummy1QV11\_4[2], dummy1QV11\_1[3])

dummy1QV11\_1\_Temp

dummy1QV11\_2\_Temp

dummy1QV11\_3\_Temp

dummy1QV11\_4\_Temp

**# dummy1QV11\_1\_Temp [1] 0.5974543 0.0000000 0.4025457 1257.0000000**

**# dummy1QV11\_2\_Temp [1] 9.299363e-01 0.000000e+00 7.006369e-02 1.257000e+03**

**# dummy1QV11\_3\_Temp [1] 9.448947e-01 0.000000e+00 5.510535e-02 1.257000e+03**

**# dummy1QV11\_4\_Temp [1] 0.8056911 0.0000000 0.1943089 1257.0000000**

dummy2QV19\_1

dummy2QV19\_2

dummy2QV19\_3

dummy2QV19\_4

**# dummy2QV19\_1 [1] 0.3620690 0.3002874 0.3376437 696.0000000**

**# dummy2QV19\_2 [1] 0.87734488 0.06782107 0.05483405 693.00000000**

**# dummy2QV19\_3 [1] 0.85100287 0.08452722 0.06446991 698.00000000**

**# dummy2QV19\_4 [1] 0.5868006 0.2166428 0.1965567 697.0000000**

dummy3QV15\_1

dummy3QV15\_2

dummy3QV15\_3

dummy3QV15\_4

**# dummy3QV15\_1 [1] 0.3771588 0.2345404 0.3883008 1795.0000000**

**# dummy3QV15\_2 [1] 8.831750e-01 6.539966e-02 5.142538e-02 1.789000e+03**

**# dummy3QV15\_3 [1] 8.675238e-01 7.657909e-02 5.589715e-02 1.789000e+03**

**# dummy3QV15\_4 [1] 0.5850646 0.2015722 0.2133633 1781.0000000**

# ---------- plotting ------------------------------------------------------------------------------------

# Q11\_19\_15

# \_1 co-authorship on publications resulting from use of the data.

# \_2 acknowledgement of the data providers in all disseminated work making use of the data.

# \_3 citation of the data providers in all disseminated work making use of the data.

# \_4 the opportunity to collaborate on a project using the data.

message1 = 'S123, Conditions for Sharing One\'s Data, Q11\_19\_15, \_1 to \_4'

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 = 20; plot(y1~x1, xlab='pct of respondents', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

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

# cexText=0.6; cexPct=0.4

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

# check dummy3 = c(0.5, 0.1, 0.1, 0.1, 0.2, 100); dummy2 = c(0.4, 0.1, 0.1, 0.2, 0.2, 100); dummy1 = c(0.3, 0.1, 0.2, 0.2, 0.2, 100)

# check dummyQV[3,]=dummy3; dummyQV[2,]=dummy2; dummyQV[1,]=dummy1; dummyQV # data are plotted left to right as they appear in the vectors

y1=y1+0

# \_1 co-authorship on publications resulting from use of the data.

# \_2 acknowledgement of the data providers in all disseminated work making use of the data.

# \_3 citation of the data providers in all disseminated work making use of the data.

# \_4 the opportunity to collaborate on a project using the data.

itemX = paste('co-authorship on publications resulting from use of the data')

dummyQV[3,]=dummy3QV16\_2\_Temp; dummyQV[2,]=dummy2QV20\_2; dummyQV[1,]=dummy1QV8\_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

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()

UNFINISHED JOB

# --- survey 1 -------------------------------------------------------------

# S1\_Q11\_5 Results based (at least in part) on the data could not be disseminated in any format without the data provider's approval.

# S1\_Q11\_7 Results based (at least in part) on the data could not be disseminated without the data provider having the opportunity to review the results and make suggestions or comments, but approval not required

# S1\_Q11\_8 Reprints of articles that make use of the data must be provided to the data provider.

# S1\_Q11\_9 The data provider is given a complete list of all products that make use of the data, including articles, presentations, educational materials, etc

# --- survey 2 -------------------------------------------------------------

# S2\_Q19\_5 results based (at least in part) on the data could not be disseminated in any format without the data provider's approval.

# S2\_Q19\_7 results based (at least in part) on the data could not be disseminated without the data provider having the opportunity to review the results and make suggestions or comments, but approval not required

# S2\_Q19\_8 reprints of articles that make use of the data must be provided to the data provider.

# S2\_Q19\_9 the data provider is given a complete list of all products that make use of the data, including articles, presentations, educational materials, etc.

# --- survey 3 -------------------------------------------------------------

# S3\_Q15\_5 Results based (at least in part) on the data could not be disseminated in any format without the data provider's approval

# S3\_Q15\_6 Results based (at least in part) on the data could not be disseminated without the data provider having the opportunity to review the results and make suggestions or comments, but approval not required

# S3\_Q15\_7 Reprints of articles that make use of the data must be provided to the data provider,

# S3\_Q15\_8 The data provider is given a complete list of all products that make use of the data, including articles, presentations, educational materials, etc.

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

# --- survey 1 -------------------------------------------------------------

# S1\_Q11\_10 Legal permission for data use is obtained.

# S1\_Q11\_11 Mutual agreement on reciprocal sharing of data

# S1\_Q11\_12 The data provider is given and agrees to a statement of uses to which the data will be put.

# S1\_Q11\_6 At least part of the costs of data acquisition, retrieval or provision must be recovered.

# --- survey 2 -------------------------------------------------------------

# S2\_Q19\_10 legal permission for data use is obtained.

# S2\_Q19\_11 mutual agreement on reciprocal sharing of data.

# S2\_Q19\_12 the data provider is given and agrees to a statement of uses to which the data will be put

# S2\_Q19\_6 at least part of the costs of data acquisition, retrieval or provision must be recovered

# --- survey 3 -------------------------------------------------------------

# S3\_Q15\_9 Legal permission for data use is obtained.

# S3\_Q15\_10 Mutual agreement on reciprocal sharing of data.

# S3\_Q15\_11 The data provider is given and agrees to a statement of uses to which the data will be put.

# comparable Q not asked

# Q11\_19\_15 --------- END ---------------------

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

# Q12\_10\_10 --------- START ---------------------

**# analysis of changes in metadata use among surveys:**

|  |  |  |  |
| --- | --- | --- | --- |
| 12\_10\_10 | Q12 What metadata do you currently use to describe your data, if any (check all that apply)?  Q12\_1 DC (Dublin Core)  Q12\_2 DwC (Darwin Core)  Q12\_3 DIF (Directory Interchange Format)  Q12\_4 EML (Ecological Metadata Language)  Q12\_5 FGDC (Federal Geographic Data Committee)  Q12\_6 ISO (International Standards Organization)  Q12\_7 OGIS (Open GIS)  Q12\_8 metadata standardized within my lab  Q12\_9 none  Q12\_10 Other (please specify) | Q10 What metadata standards do you currently use to describe your data, if any? (Choose all that apply.)  Q10\_1 DC (Dublin Core)  Q10\_2 DwC (Darwin Core)  Q10\_3 DIF (Directory Interchange Format)  Q10\_4 EML (Ecological Metadata Language)  Q10\_5 FGDC (Federal Geographic Data Committee)  Q10\_6 ISO 19115 (Geographic Information – Metadata)  Q10\_7 Other ISO metadata standard  Q10\_8 OGIS (Open GIS)  Q10\_9 ANZLIC metadata profile  Q10\_10 metadata standardized within my institution  Q10\_11 metadata standardized within my lab  Q10\_12 none  Q10\_13 Other (please specify) | Q10 What metadata standards do you currently use to describe your data, if any? (Choose all that apply.)  Q10\_1 DC (Dublin Core)  Q10\_2 DwC (Darwin Core)  Q10\_3 DIF (Directory Interchange Format)  Q10\_4 EML (Ecological Metadata Language)  Q10\_5 FGDC (Federal Geographic Data Committee) CSDGM (content standard)  Q10\_6 ISO 19115.xx (Geographic Information – Metadata)  Q10\_7 Other ISO metadata standard  Q10\_8 OGIS (Open GIS)  Q10\_9 ANZLIC metadata profile  Q10\_10 Net CDF  Q10\_11 Metadata standardized within my institution  Q10\_12 Metadata standardized within my lab  Q10\_13 None  Q10\_14 Other  Q10\_Other If you selected other, please specify |

# Q12 What metadata do you currently use to describe your data, if any (check all that apply)? choices are "Yes" or "No" – NA's prpbably coded as "no"

dummy1Q12\_1 = surveyOne$Q12\_1 # Q12\_1 DC (Dublin Core)

dummy1Q12\_2 = surveyOne$Q12\_2 # Q12\_2 DwC (Darwin Core)

dummy1Q12\_3 = surveyOne$Q12\_3 # Q12\_3 DIF (Directory Interchange Format)

dummy1Q12\_4 = surveyOne$Q12\_4 # Q12\_4 EML (Ecological Metadata Language)

dummy1Q12\_5 = surveyOne$Q12\_5 # Q12\_5 FGDC (Federal Geographic Data Committee)

dummy1Q12\_6 = surveyOne$Q12\_6 # Q12\_6 ISO (International Standards Organization)

dummy1Q12\_7 = surveyOne$Q12\_7 # Q12\_7 OGIS (Open GIS)

dummy1Q12\_8 = surveyOne$Q12\_8 # Q12\_8 metadata standardized within my lab

dummy1Q12\_9 = surveyOne$Q12\_9 # Q12\_9 none

dummy1Q12\_10 = surveyOne$Q12\_10 # Q12\_10 Other (please specify)

dummyQ = dummy1Q12\_1; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DublinCore1 = NYes

# NYes NNo bigSumDummy

# 26 1303 1329 # matches Sept2010 analyses

# 0.01956 0.9804

dummyQ = dummy1Q12\_2; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DarwinCore1 = NYes

# NYes NNo bigSumDummy

# 21 1308 1329 # matches Sept2010 analyses

# 0.0158 0.9842

dummyQ = dummy1Q12\_3; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DIF1 = NYes

# NYes NNo bigSumDummy

# 12 1317 1329 # matches Sept2010 analyses

# 0.009029 0.991

dummyQ = dummy1Q12\_4; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

EML1 = NYes

# NYes NNo bigSumDummy

# 95 1234 1329 # matches Sept2010 analyses

# 0.07148 0.9285

dummyQ = dummy1Q12\_5; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

FGDC1 = NYes

# NYes NNo bigSumDummy

# 95 1234 1329

# 0.07148 0.9285 # matches Sept2010 analyses

dummyQ = dummy1Q12\_6; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

ISO1 = NYes

# NYes NNo bigSumDummy

# 97 1232 1329

# 0.07299 0.927 # matches Sept2010 analyses

dummyQ = dummy1Q12\_7; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

OGIS1 = NYes

# NYes NNo bigSumDummy

# 96 1233 1329

# 0.07223 0.9278 # matches Sept2010 analyses

dummyQ = dummy1Q12\_8; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

myLab1 = NYes

# NYes NNo bigSumDummy

# 266 1063 1329

# 0.2002 0.7998 # matches Sept2010 analyses

dummyQ = dummy1Q12\_9; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NONE1 = NYes

# NYes NNo bigSumDummy

# 676 653 1329

# 0.5087 0.4913 # matches Sept2010 analyses

dummyQ = dummy1Q12\_10; NYes=0; NNo=0;

for (zz in (1:bigN1) ) { if (dummyQ[zz] == 'Yes' ) { NYes = 1+ NYes } ; if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

OTHER1 = NYes

# NYes NNo bigSumDummy

# 82 1247 1329

# 0.0617 0.9383 # not presented in Sept2010 analyses

# survey 2 Q10 What metadata standards do you currently use to describe your data, if any? (Choose all that apply.)

# choices are 1, 2, and NA

dummy2Q10\_1 = surveyTwo$Q10\_1 # Q10\_1 DC (Dublin Core)

dummy2Q10\_2 = surveyTwo$Q10\_2 # Q10\_2 DwC (Darwin Core)

dummy2Q10\_3 = surveyTwo$Q10\_3 # Q10\_3 DIF (Directory Interchange Format)

dummy2Q10\_4 = surveyTwo$Q10\_4 # Q10\_4 EML (Ecological Metadata Language)

dummy2Q10\_5 = surveyTwo$Q10\_5 # Q10\_5 FGDC (Federal Geographic Data Committee)

dummy2Q10\_6 = surveyTwo$Q10\_6 # Q10\_6 ISO 19115 (Geographic Information – Metadata)

dummy2Q10\_7 = surveyTwo$Q10\_7 # Q10\_7 Other ISO metadata standard

dummy2Q10\_8 = surveyTwo$Q10\_8 # Q10\_8 OGIS (Open GIS)

dummy2Q10\_9 = surveyTwo$Q10\_9 # Q10\_9 ANZLIC metadata profile

dummy2Q10\_10 = surveyTwo$Q10\_10 # Q10\_10 metadata standardized within my institution

dummy2Q10\_11 = surveyTwo$Q10\_10 # Q10\_11 metadata standardized within my lab

dummy2Q10\_12 = surveyTwo$Q10\_12 # Q10\_12 none

dummy2Q10\_13 = surveyTwo$Q10\_13 # Q10\_13 Other (please specify)

# 1 = yes, 2 = no, NA = no

dummyQ = dummy2Q10\_1; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DublinCore2 = NYes

# NYes NNo bigSumDummy

# 66 949 1015

# 0.06502 0.935

dummyQ = dummy2Q10\_2; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DarwinCore2 = NYes

# NYes NNo bigSumDummy

# 19 996 1015

# 0.01872 0.9813

dummyQ = dummy2Q10\_3; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DIF2 = NYes

# NYes NNo bigSumDummy

# 16 999 1015

# 0.01576 0.9842

dummyQ = dummy2Q10\_4; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

EML2 = NYes

# NYes NNo bigSumDummy

# 86 929 1015

# 0.08473 0.9153

dummyQ = dummy2Q10\_5; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

FGDC2 = NYes

# NYes NNo bigSumDummy

# 79 936 1015

# 0.07783 0.9222

dummyQ = dummy2Q10\_6; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

ISO2 = NYes

# NYes NNo bigSumDummy

# 95 920 1015

# 0.0936 0.9064

dummyQ = dummy2Q10\_7; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

OtherISO2 = NYes

# NYes NNo bigSumDummy

# 52 963 1015

# 0.05123 0.9488"

dummyQ = dummy2Q10\_8; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

OGIS2 = NYes

# NYes NNo bigSumDummy

# 67 948 1015

# 0.06601 0.934

dummyQ = dummy2Q10\_9; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

ANZLIC2 = NYes

# NYes NNo bigSumDummy

# 2 1013 1015

# 0.00197 0.998

dummyQ = dummy2Q10\_10; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

myInst2 = NYes

# NYes NNo bigSumDummy

# 130 885 1015

# 0.1281 0.8719

dummyQ = dummy2Q10\_11; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

myLab2 = NYes

# NYes NNo bigSumDummy

# 130 885 1015

# 0.1281 0.8719

dummyQ = dummy2Q10\_12; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NONE2 = NYes

# NYes NNo bigSumDummy

# 450 565 1015

# 0.4433 0.5567

dummyQ = dummy2Q10\_13; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN2) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

if (as.integer(dummyQ[zz]) == 2) { NNo = 1+ NNo }; if (as.integer(dummyQ[zz]) ==999 ) { NNo = 1+ NNo } }

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

OTHER2 = NYes

# NYes NNo bigSumDummy

# 80 935 1015

# 0.07882 0.9212

# survey 3 Q10 What metadata standards do you currently use to describe your data, if any? (Choose all that apply.)

dummy3Q10\_1 = surveyThree$Q10\_1 # Q10\_1 DC (Dublin Core)

dummy3Q10\_2 = surveyThree$Q10\_2 # Q10\_2 DwC (Darwin Core)

dummy3Q10\_3 = surveyThree$Q10\_3 # Q10\_3 DIF (Directory Interchange Format)

dummy3Q10\_4 = surveyThree$Q10\_4 # Q10\_4 EML (Ecological Metadata Language)

dummy3Q10\_5 = surveyThree$Q10\_5 # Q10\_5 FGDC (Federal Geographic Data Committee) CSDGM (content standard)

dummy3Q10\_6 = surveyThree$Q10\_6 # Q10\_6 ISO 19115.xx (Geographic Information – Metadata)

dummy3Q10\_7 = surveyThree$Q10\_7 # Q10\_7 Other ISO metadata standard

dummy3Q10\_8 = surveyThree$Q10\_8 # Q10\_8 OGIS (Open GIS)

dummy3Q10\_9 = surveyThree$Q10\_9 # Q10\_9 ANZLIC metadata profile

dummy3Q10\_10 = surveyThree$Q10\_10 # Q10\_10 Net CDF

dummy3Q10\_11 = surveyThree$Q10\_11 # Q10\_11 Metadata standardized within my institution

dummy3Q10\_12 = surveyThree$Q10\_12 # Q10\_12 Metadata standardized within my lab

dummy3Q10\_13 = surveyThree$Q10\_13 # Q10\_13 None

dummy3Q10\_14 = surveyThree$Q10\_14 # Q10\_14 Other

dummy3Q10\_15 = surveyThree$Q10\_15 # Q10\_Other If you selected other, please specify # note this vector is empty

# 1 = yes, everything else is NA

dummyQ = dummy3Q10\_1; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DublinCore3 = NYes

# NYes NNo bigSumDummy

# 61 2123 2184

# 0.02793 0.9721

dummyQ = dummy3Q10\_2; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DarwinCore3 = NYes

# NYes NNo bigSumDummy

# 30 2154 2184

# 0.01374 0.9863

dummyQ = dummy3Q10\_3; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

DIF3 = NYes

# NYes NNo bigSumDummy

# 21 2163 2184

# 0.009615 0.9904

dummyQ = dummy3Q10\_4; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

EML3 = NYes

# NYes NNo bigSumDummy

# 45 2139 2184

# 0.0206 0.9794

dummyQ = dummy3Q10\_5; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

FGDC3 = NYes

# NYes NNo bigSumDummy

# 98 2086 2184

# 0.04487 0.9551

dummyQ = dummy3Q10\_6; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

ISO3 = NYes

# NYes NNo bigSumDummy

# 140 2044 2184

# 0.0641 0.9359

dummyQ = dummy3Q10\_7; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

OtherISO3 = NYes

# NYes NNo bigSumDummy

# 71 2113 2184

# 0.03251 0.9675

dummyQ = dummy3Q10\_8; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

OGIS3 = NYes

# NYes NNo bigSumDummy

# 82 2102 2184

# 0.03755 0.9625

dummyQ = dummy3Q10\_9; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

ANZLIC3 = NYes

# NYes NNo bigSumDummy

# 24 2160 2184

# 0.01099 0.989

dummyQ = dummy3Q10\_10; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NetCDF3 = NYes

# NYes NNo bigSumDummy

# 344 1840 2184

# 0.1575 0.8425

dummyQ = dummy3Q10\_11; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

myInst3 = NYes

# NYes NNo bigSumDummy

# 291 1893 2184

# 0.1332 0.8668

dummyQ = dummy3Q10\_12; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

myLab3 = NYes

# NYes NNo bigSumDummy

# 294 1890 2184

# 0.1346 0.8654

dummyQ = dummy3Q10\_13; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

NONE3 = NYes

# NYes NNo bigSumDummy

# 785 1399 2184

# 0.3594 0.6406

dummyQ = dummy3Q10\_14; NYes=0; NNo=0; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

for (zz in (1:bigN3) ) { if (as.integer(dummyQ[zz]) == 1) { NYes = 1+ NYes }

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

bigSumDummy = NYes+NNo; zzz= bigSumDummy; print(paste(' ',NYes,' ',NNo,' ', bigSumDummy));

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4) ))

OTHER3 = NYes

# NYes NNo bigSumDummy

# 233 1951 2184

# 0.1067 0.8933

message1 = 'survey 1, metadata use (n=1329) ver. Aug2019'

metadataPie = c(DublinCore1, DarwinCore1, DIF1, EML1, FGDC1, ISO1, OGIS1, OTHER1, myLab1, NONE1)

slices=c('DublinCore', 'DarwinCore', 'DIF', 'EML', 'FGDC', 'ISO', 'OGIS', 'other', 'myLab', 'none')

slicecolors=c(Violet, PaleViolet, Blue, RobinEggBlue, CaribbeanGreen, ScreaminGreen, LaserLemon, MangoTango, PinkFlamingo, Scarlet)

dev.new(); pie(metadataPie, labels = slices, col = slicecolors, main=message1, init.angle=-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

pie(metadataPie, labels = slices, col = slicecolors, main=message1, init.angle=-20)

dev.off()

message2 = 'survey 2, metadata use (n=1015) ver. Aug2019'

metadataPie = c(DublinCore2, DarwinCore2, DIF2, EML2, FGDC2, ISO2, OtherISO2, OGIS2, ANZLIC2, OTHER2, myInst2, myLab2, NONE2)

slices=c('DublinCore', 'DarwinCore', 'DIF', 'EML', 'FGDC', 'ISO', 'otherISO', 'OGIS', 'ANZLIC', 'other', 'myInst', 'myLab', 'none')

slicecolors=c(Violet, PaleViolet, Blue, RobinEggBlue, CaribbeanGreen, ScreaminGreen, ScreaminGreen, LaserLemon, Sunglow, MangoTango, PinkFlamingo, PinkFlamingo, Scarlet)

dev.new(); pie(metadataPie, labels = slices, col = slicecolors, main=message2, init.angle=-20)

dev.new();

dpi=2400; ppp=paste(message2,'.png'); png(ppp, width=6\*dpi, height = 6\* dpi, res = dpi) # 2400 returns a 500kb file, HighQuality

pie(metadataPie, labels = slices, col = slicecolors, main=message2, init.angle=-20)

dev.off()

message3 = 'survey 3, metadata use (n=2184) ver. Aug2019'

metadataPie = c(DublinCore3, DarwinCore3, DIF3, EML3, FGDC3, ISO3, OtherISO3, OGIS3, ANZLIC3, NetCDF3, OTHER3, myInst3, myLab3, NONE3)

slices=c('DublinCore', 'DarwinCore', 'DIF', 'EML', 'FGDC', 'ISO', 'otherISO', 'OGIS', 'ANZLIC', 'NetCDF', 'other', 'myInst', 'myLab', 'none')

slicecolors=c(Violet, PaleViolet, Blue, RobinEggBlue, CaribbeanGreen, ScreaminGreen, ScreaminGreen, LaserLemon, LaserLemon, Sunglow, MangoTango, PinkFlamingo, PinkFlamingo, Scarlet)

dev.new(); pie(metadataPie, labels = slices, col = slicecolors, main=message3, init.angle=-20)

dev.new();

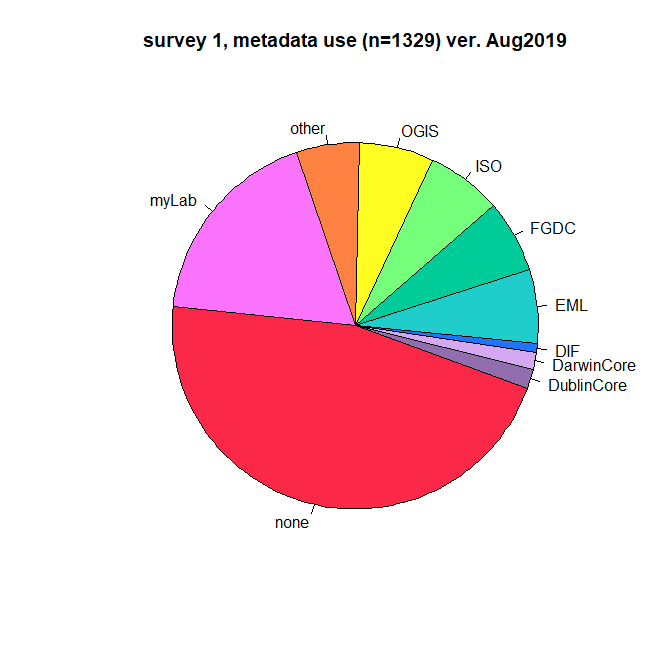
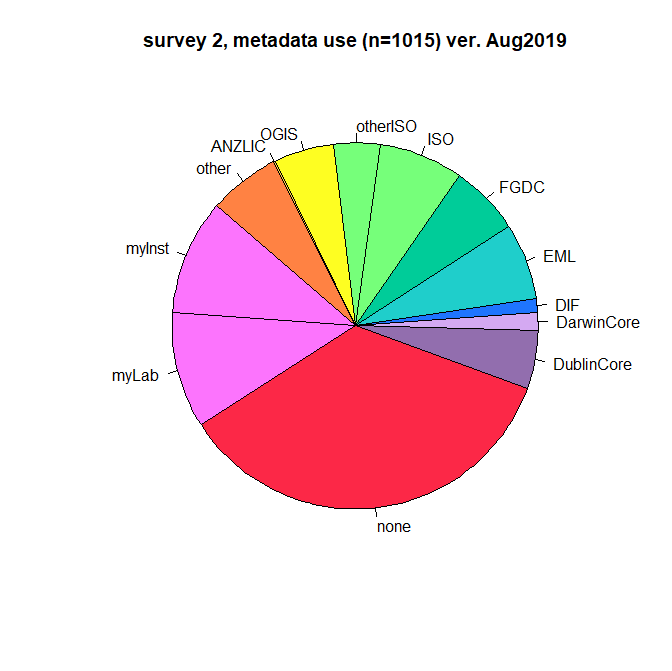
dpi=2400; ppp=paste(message3,'.png'); png(ppp, width=6\*dpi, height = 6\* dpi, res = dpi) # 2400 returns a 500kb file, HighQuality

pie(metadataPie, labels = slices, col = slicecolors, main=message3, init.angle=-20)

dev.off()

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

dev.off()

# Q12\_10\_10 --------- END ---------------------

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

# Q16\_12\_09 --------- START ---------------------

|  |  |  |  |
| --- | --- | --- | --- |
| 16\_12\_09  **HYP 3** | Q16 My primary project funding agency requires me to provide a data management plan.  Yes, No, Don't know | Q12 Does your primary funding agency require you to provide a data management plan?  1 = yes, 2 = no, 3 = don't know | Q9 Does your primary funding agency require you to provide a data management plan?  1 = yes, 2 = no, 3 = don't know |

surveyOne$Q16 # "Yes" "No" "Don't know" " "

surveyTwo$Q12 # 1 2 3 NA

surveyThree$Q9 # 1 2 3 NA

# S1\_Q16 required data management plan

dummy1Q = surveyOne$Q16; dummyQ = dummy1Q;

# all responses coded as text: none, some, most, all, or " " for no entry

NYes=0; NNo=0; NDKnow=0; NNA=0

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

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

if (dummyQ[zz] == 'No' ) { NNo = 1+ NNo }

if (dummyQ[zz] == 'Don\'t know' ) { NDKnow = 1+ NDKnow } # note use of \' for the single quote character

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

bigSumDummy = NYes+NNo+NDKnow+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NYes,' ',NNo,' ',NDKnow,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4),' ',format(NDKnow/zzz,digits=4) ))

print(paste(' = c( ',(NYes/zzz),', ',(NNo/zzz),', ',(NDKnow/zzz),', ',zzz,' )') )

# NYes NNo NDKnow NNA

# 368 716 209 36 bigSumDummy = 1329 bigSumDummy-NNA = 1293

# 0.2846 0.5538 0.1616

# = c( 0.2846094354215 , 0.553750966744006 , 0.161639597834493 , 1293 )

# S2\_Q12 required data management plan

dummy2Q = surveyTwo$Q12; dummyQ = dummy2Q; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NYes=0; NNo=0; NDKnow=0; NNA=0

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

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

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

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

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

bigSumDummy = NYes+NNo+NDKnow+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NYes,' ',NNo,' ',NDKnow,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4),' ',format(NDKnow/zzz,digits=4) ))

print(paste(' = c( ',(NYes/zzz),', ',(NNo/zzz),', ',(NDKnow/zzz),', ',zzz,' )') )

# NYes NNo NDKnow NNA

# 347 407 129 132 bigSumDummy = 1015 bigSumDummy-NNA = 883"

# 0.393 0.4609 0.1461

# = c( 0.392978482446206 , 0.460928652321631 , 0.146092865232163 , 883 )

# S3\_Q9… required data management plan

dummyQ = surveyThree$Q9; dummyQ = replace(dummyQ, is.na(dummyQ), 999)

NYes=0; NNo=0; NDKnow=0; NNA=0

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

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

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

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

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

bigSumDummy = NYes+NNo+NDKnow+NNA; zzz= bigSumDummy-NNA

print(paste(' ',NYes,' ',NNo,' ',NDKnow,' ',NNA,' bigSumDummy = ', bigSumDummy,' bigSumDummy-NNA = ',zzz))

print(paste(' ',format(NYes/zzz,digits=4),' ',format(NNo/zzz,digits=4),' ',format(NDKnow/zzz,digits=4) ))

print(paste(' = c( ',(NYes/zzz),', ',(NNo/zzz),', ',(NDKnow/zzz),', ',zzz,' )') )

# NYes NNo NDKnow NNA

# 956 751 259 218 bigSumDummy = 2184 bigSumDummy-NNA = 1966

# 0.4863 0.382 0.1317

# = c( 0.486266531027467 , 0.381993896236012 , 0.131739572736521 , 1966 )

# data are plotted left to right as they appear in the vectors

dummyQV = matrix( data=c( rep(0,4), rep(0,4), rep(0,4)), nr=3, nc=4); dummyQV

dummyQV[1,] = c( 0.2846094354215 , 0.553750966744006 , 0.161639597834493 , 1293 )

dummyQV[2,] = c( 0.392978482446206 , 0.460928652321631 , 0.146092865232163 , 883 )

dummyQV[3,] = c( 0.486266531027467 , 0.381993896236012 , 0.131739572736521 , 1966 )

dummyQV

message1 = 'Q16\_12\_09 required data management plan '

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 = 6; plot(y1~x1, xlab='choice', ylab='Qs', xlim=c(x1, x2), ylim=c(y1, y2), pch=' ')

title(message1); dy=1; y1=0.5; x1=0

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 Yes

xt1 = xt2; yt1 = y1+((zz-1)\*dy); xt2 = xt1+100\*dummyQV[zz,2]; yt2 = y1+(zz\*dy); rect(xt1,yt1,xt2,yt2, col= MangoTango) # choice No

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 DKnow

dx = 5; dy=0.2;x1 = 0;y1=3.8 # manual legend

rect(x1, y1, x1+dx, y1+dy, col= RobinEggBlue); text(x1+11, y1+dy/2,"Yes", cex=1 ); x1=x1+20

rect(x1, y1, x1+dx, y1+dy, col= MangoTango); text(x1+10, y1+dy/2,"No", cex=1 ); x1=x1+20

rect(x1, y1, x1+dx, y1+dy, col= LaserLemon); text(x1+18, y1+dy/2,"Don\'t Know", cex=1 ); x1=x1+22

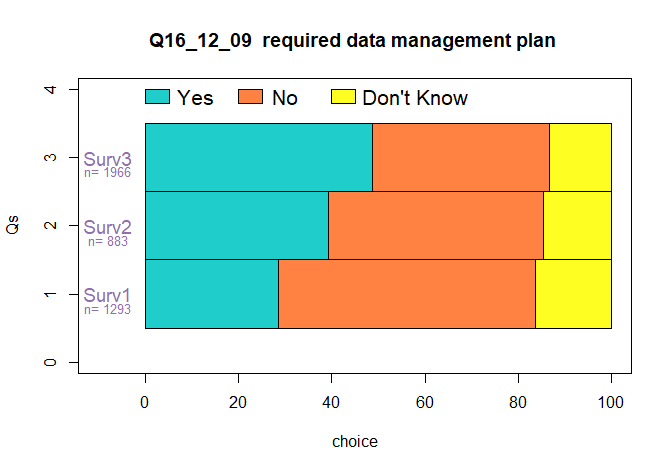
text(-8, 1,"Surv1", cex=1, col=Violet ); text(-8, 2,"Surv2", cex=1, col=Violet ); text(-8, 3,"Surv3", cex=1, col=Violet )

zzz=paste('n=',as.character(dummyQV[1,4])); text(-8,0.8,zzz, cex=0.7, col=Violet)

zzz=paste('n=',as.character(dummyQV[2,4])); text(-8,1.8,zzz, cex=0.7, col=Violet)

zzz=paste('n=',as.character(dummyQV[3,4])); text(-8,2.8,zzz, cex=0.7, col=Violet)

dev.off()



# Q16\_12\_09 --------- END ---------------------