

# Baltimore Community Data Science Collaboration, ToolBank Community and Economic Impact Survey Analysis

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## Report Outline

- Section 1: Key Findings
- Section 1A: Supporting Visualizations and Quotes
- Section 2: Data Analysis Overview
- Section 2A: Data Wrangling
- Section 2B: Data Cleaning
- Section 2C: Data Analysis by Survey Question

## Section 1: Key Findings

- TBD
- 86% of the survey respondents reported to at least of the minority service or leadership criteria.

### Section 1A: Supporting Visualizations and Quotes

TBD

## Section 2: Data Analysis Process

### Section 2A: Data Wrangling

```
# Prompts a browser pop-up  
gs4_auth()
```

#### Reading data with the googlesheets4 package

```
# A tibble: 6 x 27  
  Timestamp      'Name of your current organization' How long have you wo~1  
  <dtm>          <chr>                                <chr>  
1 2023-11-06 17:38:53 Baltimore ToolBank          More than 5 years  
2 2023-11-09 12:49:19 Stillmeadow Community Projects, In~ More than 5 years  
3 2023-11-09 12:49:48 Itineris Foundation Inc.        0-2 years
```

```

4 2023-11-09 12:51:37 Friends of Fort McHenry          0-2 years
5 2023-11-09 12:52:02 The Baltimore Station           0-2 years
6 2023-11-09 12:55:01 MissionFit                     3-5 years
# i abbreviated name: 1: 'How long have you worked with this organization?'
# i 24 more variables:
#   'The following question pertains to minority leadership and service. For the purpose of this question, we are asking you to think about the following question: 'The ToolBank (TB) has positively impacted our Community-Based Organization (CBO) by reducing costs related to storing tools and equipment' <chr>
#   'The TB has positively impacted our CBO by reducing costs related to storing tools and equipment' <chr>
#   'The TB has positively impacted our CBO by reducing staff time to complete community projects' <chr>
#   'Tools made available through the TB allow our CBO to complete higher quality events/projects without the need for additional resources' <chr>

```

## Section 2B: Data Cleaning

### Delete extra variables

```

# A tibble: 6 x 26
  Timestamp      'Name of your current organization' How long have you wo~1
  <dtm>          <chr>                                <chr>
1 2023-11-09 12:49:19 Stillmeadow Community Projects, In~ More than 5 years
2 2023-11-09 12:49:48 Itineris Foundation Inc.         0-2 years
3 2023-11-09 12:51:37 Friends of Fort McHenry          0-2 years
4 2023-11-09 12:52:02 The Baltimore Station           0-2 years
5 2023-11-09 12:55:01 MissionFit                     3-5 years
6 2023-11-09 12:56:21 Civic Works                     3-5 years
# i abbreviated name: 1: 'How long have you worked with this organization?'
# i 23 more variables:
#   'The following question pertains to minority leadership and service. For the purpose of this question, we are asking you to think about the following question: 'The ToolBank (TB) has positively impacted our Community-Based Organization (CBO) by reducing costs related to storing tools and equipment' <chr>
#   'The TB has positively impacted our CBO by reducing costs related to storing tools and equipment' <chr>
#   'The TB has positively impacted our CBO by reducing staff time to complete community projects' <chr>
#   'Tools made available through the TB allow our CBO to complete higher quality events/projects without the need for additional resources' <chr>

```

### change column names to variables

```

tibble [45 x 26] (S3: tbl_df/tbl/data.frame)
 $ timestamp      : POSIXct[1:45], format: "2023-11-09 12:49:19" "2023-11-09 12:49:48" ...
 $ di_org         : chr [1:45] "Stillmeadow Community Projects, Inc." "Itineris Foundation Inc." "Friends of Fort McHenry" ...
 $ di_oryearsworked: chr [1:45] "More than 5 years" "0-2 years" "0-2 years" "0-2 years" ...
 $ di_mled       : chr [1:45] "Our top executive position is held by a minority." "Our top executive position is held by a majority." ...
 $ att_purtool   : chr [1:45] "Strongly agree" "Strongly agree" "Strongly agree" "Strongly agree" ...
 $ att_strtool   : chr [1:45] "Strongly agree" "N/A" "Agree" "Agree" ...
 $ att_redtime   : chr [1:45] "Strongly agree" "N/A" "Neutral" "Neutral" ...
 $ att_evquality : chr [1:45] "Strongly agree" "Strongly agree" "Strongly agree" "Strongly agree" ...
 $ att_posimpact : chr [1:45] "Strongly agree" "Strongly agree" "Strongly agree" "Strongly agree" ...
 $ att_mostimpact: chr [1:45] "Availability of Inexpensive Rental Equipment" "You get me what I need" ...
 $ eco_purchase  : num [1:45] 2000 200 400 5000 1000 1000 3500 2000 5000 1000 ...
 $ eco_storage   : num [1:45] 2000 0 1500 1000 0 500 1500 250 500 0 ...
 $ eco_maintain  : num [1:45] 1000 0 50 500 0 1000 250 500 200 500 ...
 $ eco_totalcost : num [1:45] 3000 200 2800 2000 1000 5000 2000 3000 1000 0 ...
 $ eco_events    : num [1:45] 6 4 3 5 2 30 30 2 20 4 ...
 $ eco_nothost   : num [1:45] 5 0 1 0 0 10 5 0 10 4 ...
 $ eco_constit   : num [1:45] 1000 5 175 300 300 200 100 100 500 100 ...
 $ ci_exaccomp   : chr [1:45] "Hosted additional projects or events" "Hosted additional projects or events" ...

```

```

$ ci_cutfund      : chr [1:45] "Staff" "N/A" "Projects" "Projects" ...
$ ci_otr          : num [1:45] NA NA NA NA NA NA 5000 NA NA NA ...
$ ci_staff        : num [1:45] 3 NA NA NA NA 0 NA NA NA NA ...
$ ci_project      : num [1:45] NA NA 3 2 NA 8 NA 15 10 4 ...
$ ci_evimpact     : chr [1:45] "Quantity, Quality, Consistency" "Quantity, Quality" "Quantity, Consistency" ...
$ eve_type        : chr [1:45] "Service Projects, Educational Workshops, Community Building" "Fundraising" ...
$ eve_fundraise   : chr [1:45] NA NA NA NA ...
$ eve_fundraise_p : num [1:45] 75 10 10 3 2 30 25 0 50 0 ...

```

## change multiple choice answer into numbers

```

# A tibble: 6 x 26
  timestamp      di_org di_orgyearsworked di_mled att_purtool att_strtool
  <dtm>          <chr>          <dbl> <chr>    <chr>      <chr>
1 2023-11-09 12:49:19 Stillme~          3 Our to~ Strongly a~ Strongly a~
2 2023-11-09 12:49:48 Itineri~          1 Our to~ Strongly a~ N/A
3 2023-11-09 12:51:37 Friends~          1 None o~ Strongly a~ Agree
4 2023-11-09 12:52:02 The Bal~          1 Our to~ Strongly a~ Agree
5 2023-11-09 12:55:01 Mission~          2 Our to~ Strongly a~ Neutral
6 2023-11-09 12:56:21 Civic W~          2 More t~ Strongly a~ Strongly a~
# i 20 more variables: att_redtime <chr>, att_evquality <chr>,
#   att_posimpact <chr>, att_mostimpact <chr>, eco_purchase <dbl>,
#   eco_storage <dbl>, eco_maintain <dbl>, eco_totalcost <dbl>,
#   eco_events <dbl>, eco_nothost <dbl>, eco_constit <dbl>, ci_exaccomp <chr>,
#   ci_cutfund <chr>, ci_otr <dbl>, ci_staff <dbl>, ci_project <dbl>,
#   ci_evimpact <chr>, eve_type <chr>, eve_fundraise <chr>,
#   eve_fundraise_p <dbl>

```

The following section is commented out as we used text format choices in the following study

## split check all that apply responses into indicators

```

# A tibble: 6 x 30
  timestamp      di_org di_orgyearsworked di_mled att_purtool att_strtool
  <dtm>          <chr>          <dbl> <chr>    <chr>      <chr>
1 2023-11-09 12:49:19 Stillme~          3 Our to~ Strongly a~ Strongly a~
2 2023-11-09 12:49:48 Itineri~          1 Our to~ Strongly a~ N/A
3 2023-11-09 12:51:37 Friends~          1 None o~ Strongly a~ Agree
4 2023-11-09 12:52:02 The Bal~          1 Our to~ Strongly a~ Agree
5 2023-11-09 12:55:01 Mission~          2 Our to~ Strongly a~ Neutral
6 2023-11-09 12:56:21 Civic W~          2 More t~ Strongly a~ Strongly a~
# i 24 more variables: att_redtime <chr>, att_evquality <chr>,
#   att_posimpact <chr>, att_mostimpact <chr>, eco_purchase <dbl>,
#   eco_storage <dbl>, eco_maintain <dbl>, eco_totalcost <dbl>,
#   eco_events <dbl>, eco_nothost <dbl>, eco_constit <dbl>, ci_exaccomp <chr>,
#   ci_cutfund <chr>, ci_otr <dbl>, ci_staff <dbl>, ci_project <dbl>,
#   ci_evimpact <chr>, eve_type <chr>, eve_fundraise <chr>,
#   eve_fundraise_p <dbl>, di_mled_top <dbl>, di_mled_board <dbl>, ...

```

```

[1] 4
[1] 5
[1] 7

```

```
[1] 8
[1] 13
[1] 15
[1] 18
[1] 22
[1] 27
[1] 30
[1] 37
```

```
# A tibble: 6 x 34
  timestamp      di_org di_orgyearsworked di_mled att_purtool att_strtool
  <dtm>          <chr>          <dbl> <chr>    <chr>      <chr>
1 2023-11-09 12:49:19 Stillme~          3 Our to~ Strongly a~ Strongly a~
2 2023-11-09 12:49:48 Itineri~          1 Our to~ Strongly a~ N/A
3 2023-11-09 12:51:37 Friends~          1 None o~ Strongly a~ Agree
4 2023-11-09 12:52:02 The Bal~          1 Our to~ Strongly a~ Agree
5 2023-11-09 12:55:01 Mission~          2 Our to~ Strongly a~ Neutral
6 2023-11-09 12:56:21 Civic W~          2 More t~ Strongly a~ Strongly a~
# i 28 more variables: att_redtime <chr>, att_evquality <chr>,
#   att_posimpact <chr>, att_mostimpact <chr>, eco_purchase <dbl>,
#   eco_storage <dbl>, eco_maintain <dbl>, eco_totalcost <dbl>,
#   eco_events <dbl>, eco_nothost <dbl>, eco_constit <dbl>, ci_exaccomp <chr>,
#   ci_cutfund <chr>, ci_otr <dbl>, ci_staff <dbl>, ci_project <dbl>,
#   ci_evimpact <chr>, eve_type <chr>, eve_fundraise <chr>,
#   eve_fundraise_p <dbl>, di_mled_top <dbl>, di_mled_board <dbl>, ...
```

```
[1] 7
[1] 12
[1] 13
[1] 15
[1] 21
[1] 22
[1] 27
```

```
# A tibble: 6 x 38
  timestamp      di_org di_orgyearsworked di_mled att_purtool att_strtool
  <dtm>          <chr>          <dbl> <chr>    <chr>      <chr>
1 2023-11-09 12:49:19 Stillme~          3 Our to~ Strongly a~ Strongly a~
2 2023-11-09 12:49:48 Itineri~          1 Our to~ Strongly a~ N/A
3 2023-11-09 12:51:37 Friends~          1 None o~ Strongly a~ Agree
4 2023-11-09 12:52:02 The Bal~          1 Our to~ Strongly a~ Agree
5 2023-11-09 12:55:01 Mission~          2 Our to~ Strongly a~ Neutral
6 2023-11-09 12:56:21 Civic W~          2 More t~ Strongly a~ Strongly a~
# i 32 more variables: att_redtime <chr>, att_evquality <chr>,
#   att_posimpact <chr>, att_mostimpact <chr>, eco_purchase <dbl>,
#   eco_storage <dbl>, eco_maintain <dbl>, eco_totalcost <dbl>,
#   eco_events <dbl>, eco_nothost <dbl>, eco_constit <dbl>, ci_exaccomp <chr>,
#   ci_cutfund <chr>, ci_otr <dbl>, ci_staff <dbl>, ci_project <dbl>,
#   ci_evimpact <chr>, eve_type <chr>, eve_fundraise <chr>,
#   eve_fundraise_p <dbl>, di_mled_top <dbl>, di_mled_board <dbl>, ...
```

```
[1] 15
[1] 29
```

```
# A tibble: 6 x 43
  timestamp          di_org di_orgyearsworked di_mled att_purtool att_strtool
  <dtm>             <chr>          <dbl> <chr>    <chr>      <chr>
1 2023-11-09 12:49:19 Stillme~          3 Our to~ Strongly a~ Strongly a~
2 2023-11-09 12:49:48 Itineri~          1 Our to~ Strongly a~ N/A
3 2023-11-09 12:51:37 Friends~          1 None o~ Strongly a~ Agree
4 2023-11-09 12:52:02 The Bal~          1 Our to~ Strongly a~ Agree
5 2023-11-09 12:55:01 Mission~          2 Our to~ Strongly a~ Neutral
6 2023-11-09 12:56:21 Civic W~          2 More t~ Strongly a~ Strongly a~
# i 37 more variables: att_redtime <chr>, att_evquality <chr>,
#   att_posimpact <chr>, att_mostimpact <chr>, eco_purchase <dbl>,
#   eco_storage <dbl>, eco_maintain <dbl>, eco_totalcost <dbl>,
#   eco_events <dbl>, eco_nothost <dbl>, eco_constit <dbl>, ci_exaccomp <chr>,
#   ci_cutfund <chr>, ci_otr <dbl>, ci_staff <dbl>, ci_project <dbl>,
#   ci_evimpact <chr>, eve_type <chr>, eve_fundraise <chr>,
#   eve_fundraise_p <dbl>, di_mled_top <dbl>, di_mled_board <dbl>, ...

[1] 3
[1] 4
[1] 7
[1] 13
[1] 27
[1] 42
```

```
# A tibble: 6 x 48
  timestamp          di_org di_orgyearsworked di_mled att_purtool att_strtool
  <dtm>             <chr>          <dbl> <chr>    <chr>      <chr>
1 2023-11-09 12:49:19 Stillme~          3 Our to~ Strongly a~ Strongly a~
2 2023-11-09 12:49:48 Itineri~          1 Our to~ Strongly a~ N/A
3 2023-11-09 12:51:37 Friends~          1 None o~ Strongly a~ Agree
4 2023-11-09 12:52:02 The Bal~          1 Our to~ Strongly a~ Agree
5 2023-11-09 12:55:01 Mission~          2 Our to~ Strongly a~ Neutral
6 2023-11-09 12:56:21 Civic W~          2 More t~ Strongly a~ Strongly a~
# i 42 more variables: att_redtime <chr>, att_evquality <chr>,
#   att_posimpact <chr>, att_mostimpact <chr>, eco_purchase <dbl>,
#   eco_storage <dbl>, eco_maintain <dbl>, eco_totalcost <dbl>,
#   eco_events <dbl>, eco_nothost <dbl>, eco_constit <dbl>, ci_exaccomp <chr>,
#   ci_cutfund <chr>, ci_otr <dbl>, ci_staff <dbl>, ci_project <dbl>,
#   ci_evimpact <chr>, eve_type <chr>, eve_fundraise <chr>,
#   eve_fundraise_p <dbl>, di_mled_top <dbl>, di_mled_board <dbl>, ...
```

## Section 2C: Data Analysis by Survey Question

### Demographic Information

Question 2: How long have you worked with this organization?

```
# list the data as a table as the data is binned instead of continuous
table(data$di_orgyearsworked)
```

```
1 2 3
11 15 19
```

```
di_oryearsworked_table = data.frame(cbind(time = c("0-2 years", "3-5 years", "More than 5 years"),
  RespondentCount = table(data$di_oryearsworked),
  Percentage = round(table(data$di_oryearsworked)/nrow(data),3)))
```

```
di_oryearsworked_table
```

	time	RespondentCount	Percentage
1	0-2 years	11	0.244
2	3-5 years	15	0.333
3	More than 5 years	19	0.422

```
# mean number of year worked with the organization. Transfer choices into number by the following stand
```

```
data = mutate(data, di_oryearsworked_calc = ifelse(di_oryearsworked == 1, 1,
  ifelse(di_oryearsworked == 2, 4, 6)))
```

```
mean(data$di_oryearsworked_calc)
```

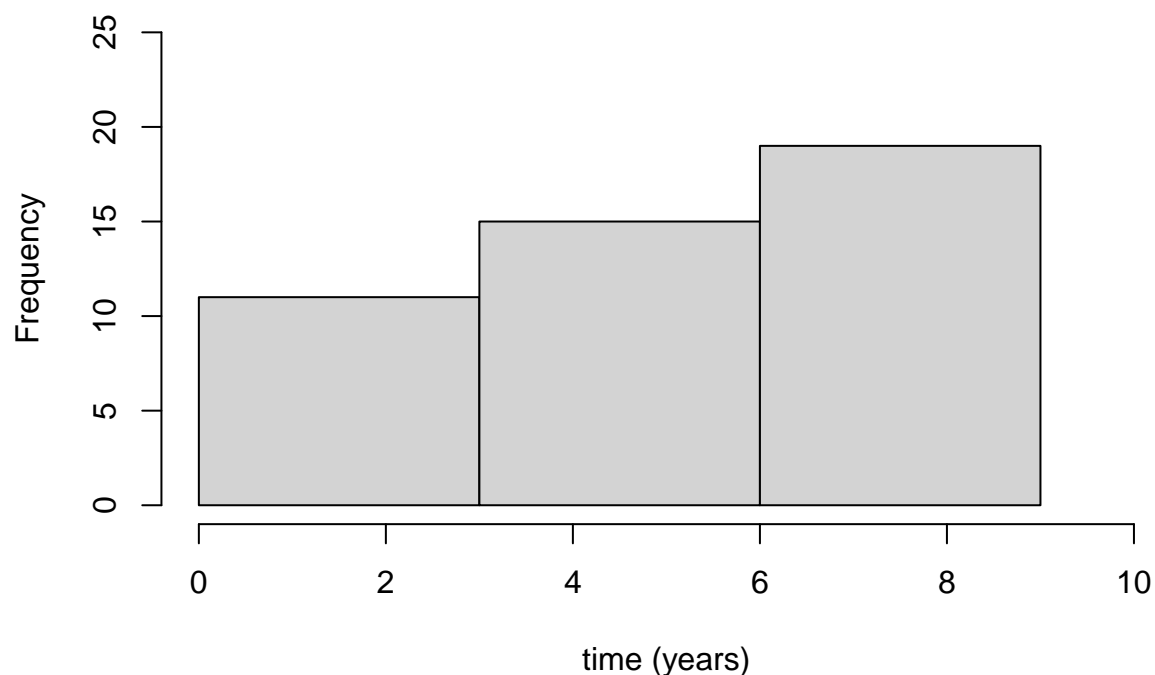
```
[1] 4.111111
```

```
median(data$di_oryearsworked_calc)
```

```
[1] 4
```

```
hist(data$di_oryearsworked_calc, breaks = c(0, 3, 6, 9), right = F, xlim = c(0, 10), ylim = c(0, 25), m
```

## Time Respondents Have Worked with Their Organizations



**Question 3:**The following question pertains to minority leadership and service. For the purpose of this question, minority is defined as women, people of color, and immigrants. Ehich of the following best describes your organization? (please provide your best estimate).?

Percent of respondents stating, “our top executive position is held by a minority”

	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	0	20	0	0.4444444
2	1	25	1	0.5555556

Percent of respondents stating, “More than 50% of our board is made up of minorities”

	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	0	26	0	0.5777778
2	1	19	1	0.4222222

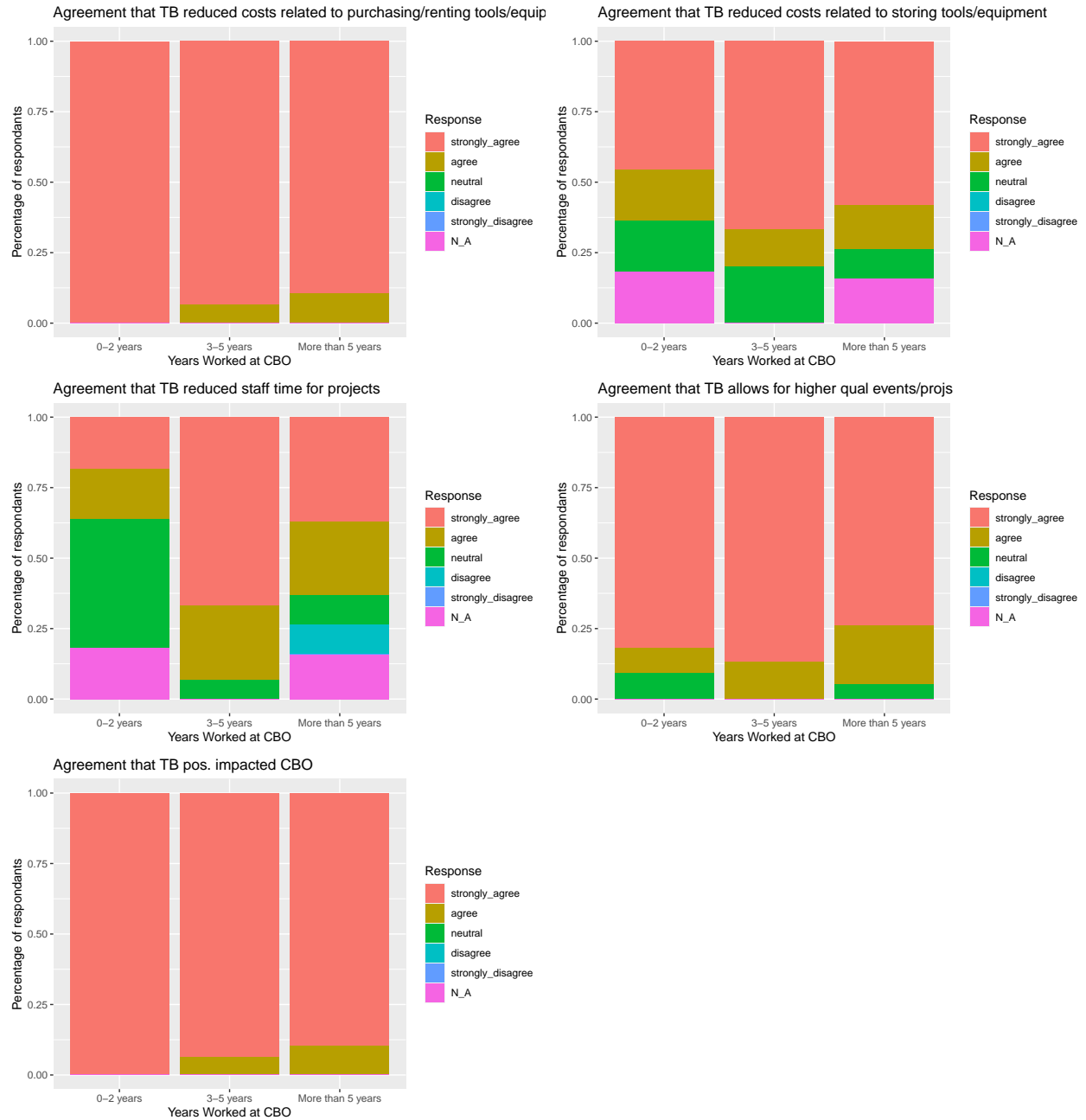
Percent of respondents stating, “More than 50% of program recipients are minorities”

	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	0	19	0	0.4222222
2	1	26	1	0.5777778

Percent of respondents stating, “None of the above”

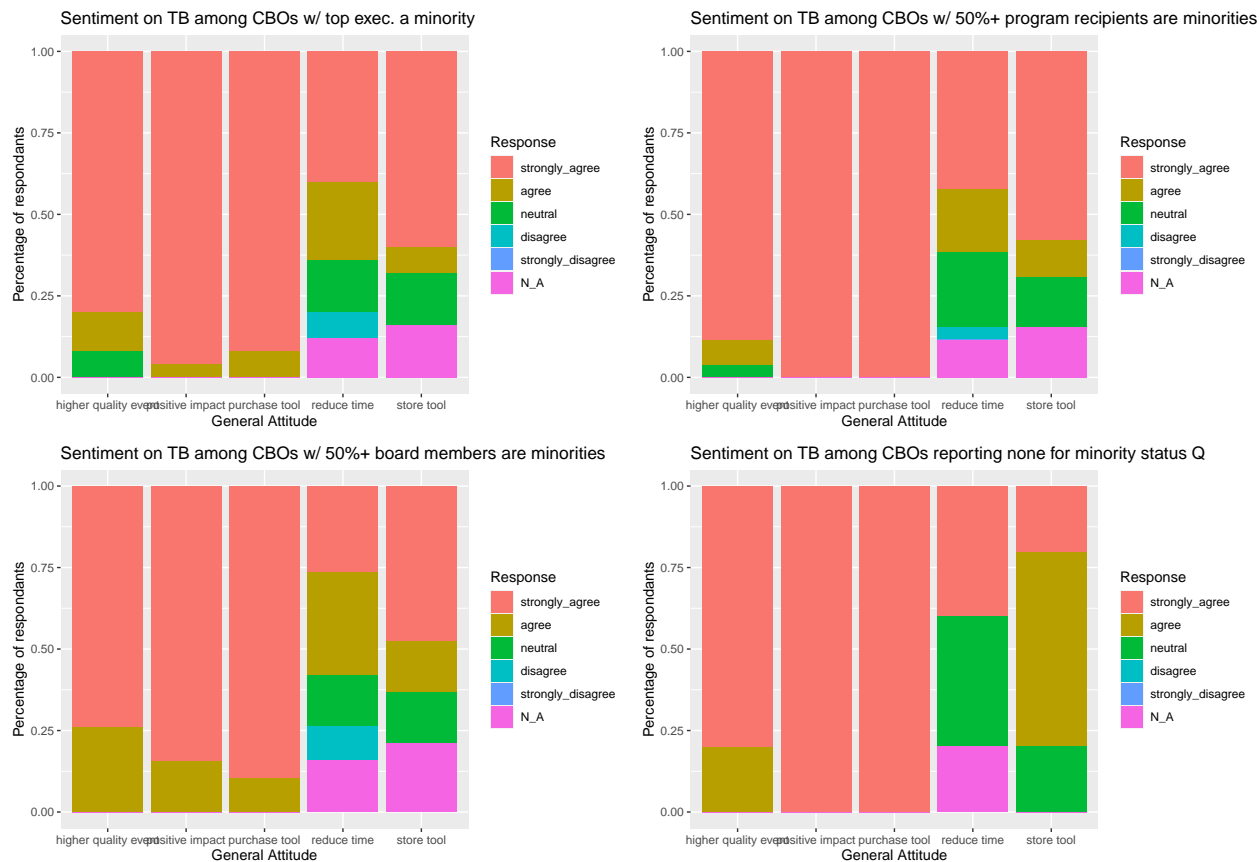
	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	0	40	0	0.8888889
2	1	5	1	0.1111111

## Questions 4-8: Plots of General sentiment and Years with the CBO





## Questions 4-8: Plots of General Sentiment and Minority Status



Percent of respondents that reported they “Agree” or “Strongly Agree” that “the ToolBank (TB) has positively impacted our CBO by reducing costs related to purchasing or renting tools and equipment”

	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	Agree	3	Agree	0.06666667
2	Strongly agree	42	Strongly agree	0.93333333

Percent of respondents that reported they “Agree” or “Strongly Agree” that “the TB has positively impacted our CBO by reducing costs related to storing tools and equipment

	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	Agree	7	Agree	0.15555556
2	N/A	5	N/A	0.11111111
3	Neutral	7	Neutral	0.15555556
4	Strongly agree	26	Strongly agree	0.57777778

Percent of respondents that reported they “Agree” or “Strongly Agree” that “theTB has positively impacted our CBO by reducing staff time to complete maintenance/projects

	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	Agree	11	Agree	0.24444444
2	Disagree	2	Disagree	0.04444444
3	N/A	5	N/A	0.11111111

4	Neutral	8	Neutral	0.17777778
5	Strongly agree	19	Strongly agree	0.42222222

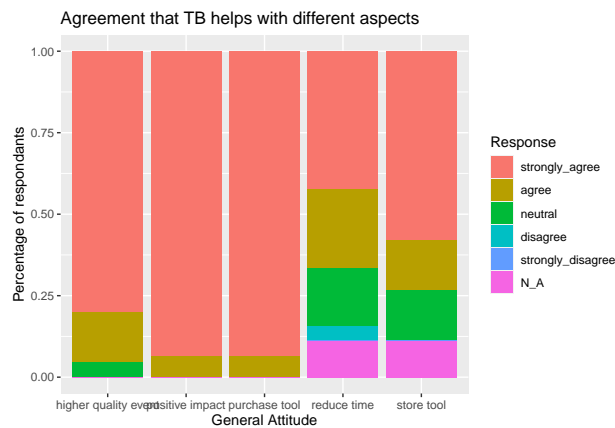
Percent of respondents that reported they “Agree” or “Strongly Agree” that “the Tools made available through the TB allow our CBO to complete higher quality events/projects without additional funding

	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	Agree	7	Agree	0.15555556
2	Neutral	2	Neutral	0.04444444
3	Strongly agree	36	Strongly agree	0.80000000

Question: TB has positively impacted our CBO

	count.Var1	count.Freq	Percentage.Var1	Percentage.Freq
1	Agree	3	Agree	0.06666667
2	Strongly agree	42	Strongly agree	0.93333333

## Plots



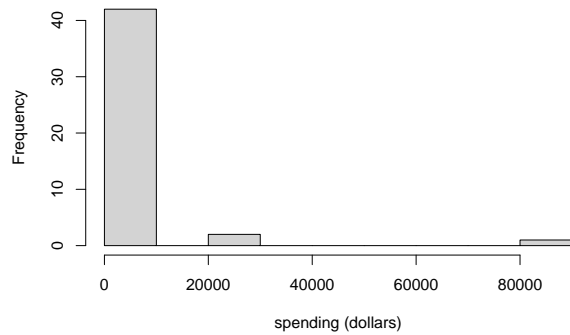
## Section 4: Economic Benefit

### Response analysis

Question: How much would you have spent purchasing or renting tools and equipment had the TB not existed?

	Measure	Value
1	Mean	5028.889
2	Median	2000.000
3	Mode	2000.000

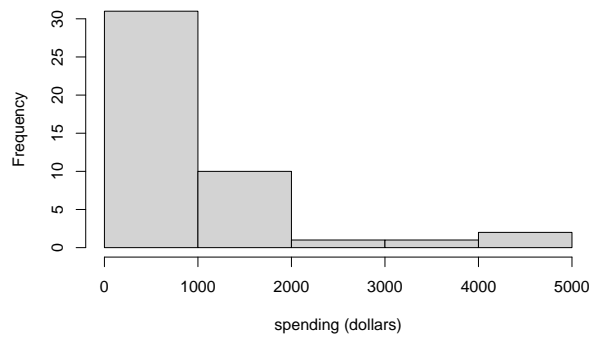
**Histogram of Spending on Purchasing/Renting Tools/Equip if without**



Question: How much would you have spent on storage of tools and equipment had the TB not existed ?

Measure	Value
1 Mean	925.5556
2 Median	500.0000
3 Mode	0.0000

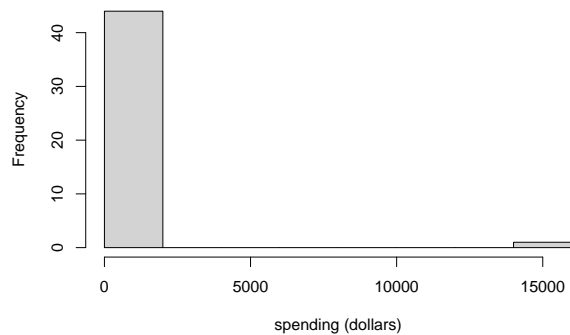
**Histogram of Spending on Storing Tools/Equip if without TB**



Question: How much would you have spent on maintenance of tools and equipment had the TB not existed?

Measure	Value
1 Mean	816.6667
2 Median	300.0000
3 Mode	500.0000

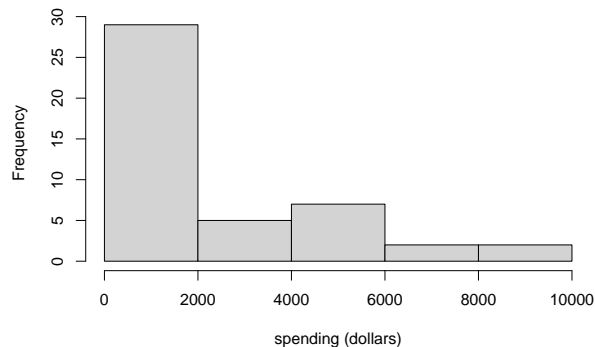
**Histogram of Maintaining on Purchasing/Renting Tools/Equip if without**



Question: Reflecting on your events in the past year: If the TB did not exist, how much funding would your organization allocate to buying, storing, tracking and maintaining your own inventory of tools and equipment?

Measure	Value
1 Mean	2527.111
2 Median	1500.000
3 Mode	5000.000

**Histogram of Total Spending in Past Year if without TB**



year

Question: number of total events hosted during last

```
# Create a vector
eco_events<- data$eco_events

# Define a function to calculate the mode
Mode <- function(x) {
  ux <- unique(x)
  ux[which.max(tabulate(match(x, ux)))]
}

# Calculate mean, median, and mode
mean_value <- mean(eco_events)
median_value <- median(eco_events)
mode_value <- Mode(eco_events)

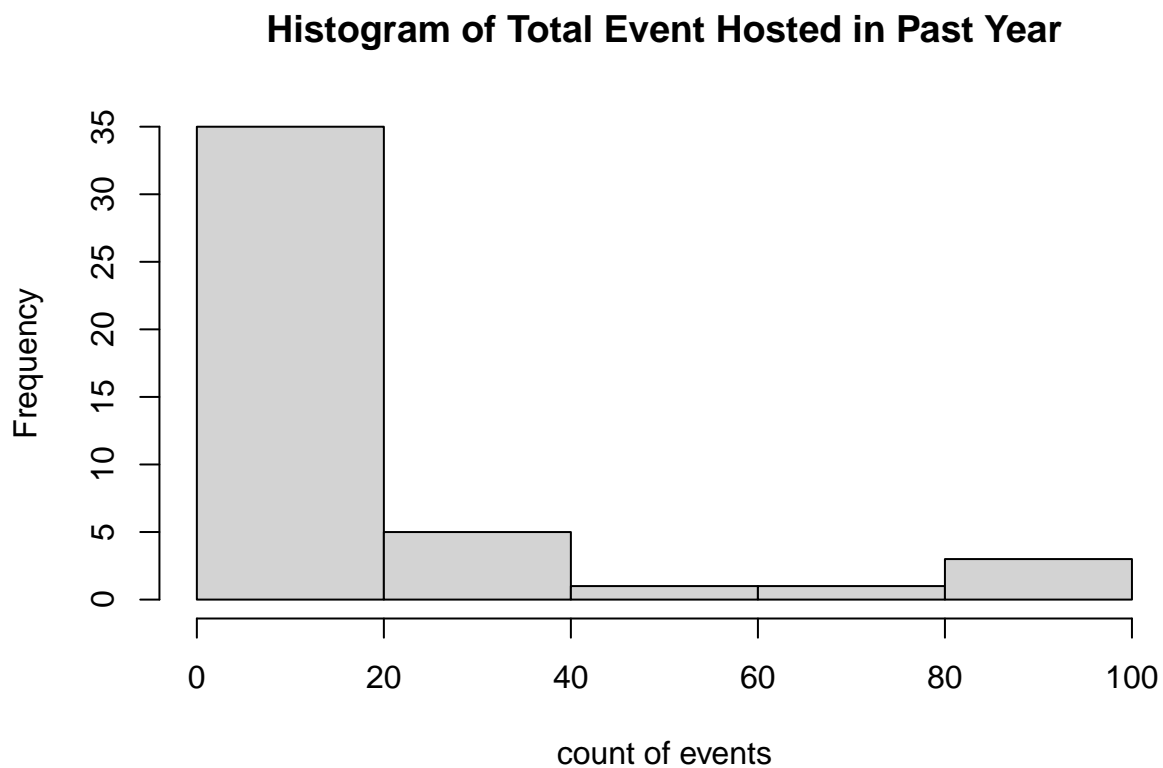
# Create a summary table
summary_table_eco_events<- data.frame(
```

```
Measure = c("Mean", "Median", "Mode"),
Value = c(mean_value, median_value, mode_value)
)
```

```
# Display the summary table
print(summary_table_eco_events)
```

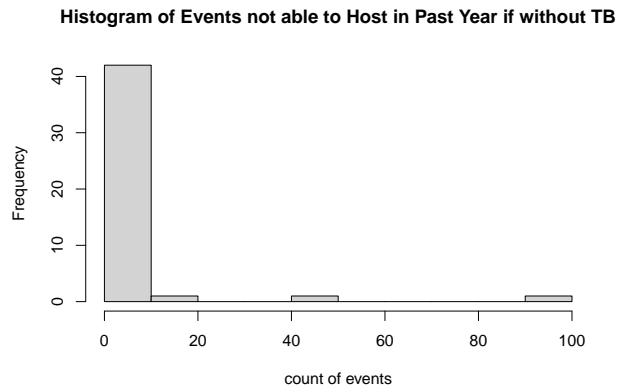
	Measure	Value
1	Mean	17.55556
2	Median	6.00000
3	Mode	3.00000

```
# Display histogram
hist(eco_events, main = "Histogram of Total Event Hosted in Past Year", xlab = "count of events")
```



Question: If there were no TB, how many of your events in the past year would you not have been hosted for any reason?

	Measure	Value
1	Mean	6.222222
2	Median	2.000000
3	Mode	0.000000



Extra analysis: percent of event not host during last year

```
data$eco_nothost_pct_calc = data$eco_nothost/data$eco_events
eco_nothost_pct_calc = data$eco_nothost_pct_calc
# Define a function to calculate the mode
Mode <- function(x) {
  ux <- unique(x)
  ux[which.max(tabulate(match(x, ux)))]
}
# Calculate mean, median, and mode
mean_value <- mean(eco_nothost_pct_calc)
median_value <- median(eco_nothost_pct_calc)
mode_value <- Mode(eco_nothost_pct_calc)

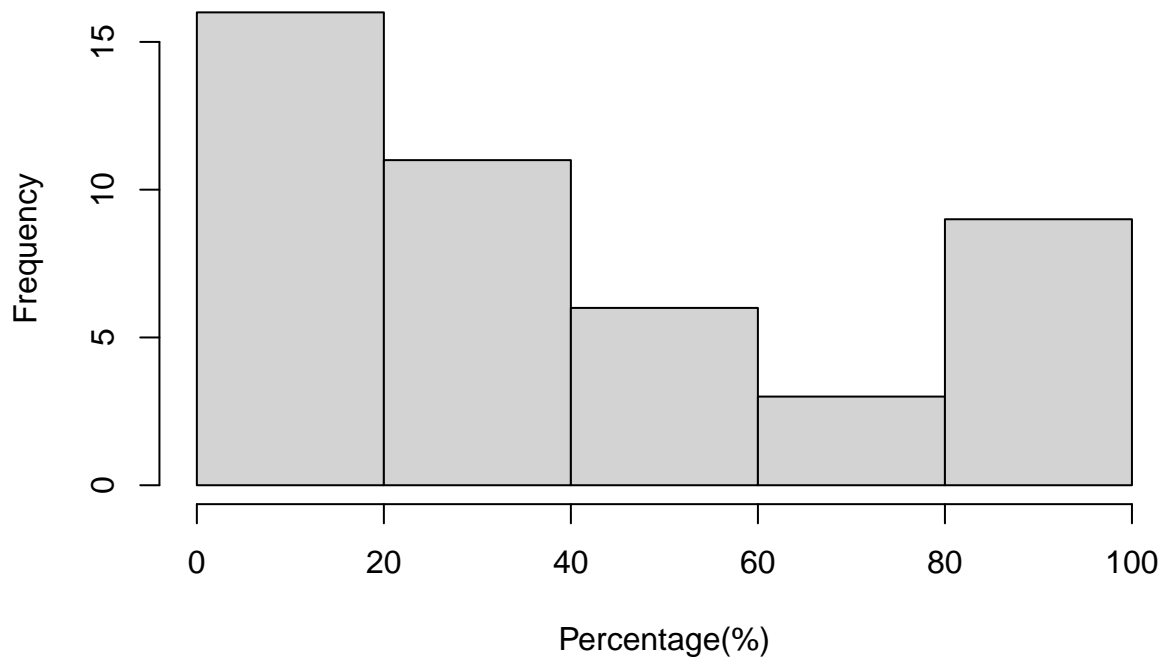
# Create a summary table
summary_table_eco_nothost_pct_calc<- data.frame(
  Measure = c("Mean", "Median", "Mode"),
  Value = c(mean_value, median_value, mode_value)
)

# Display the summary table
print(summary_table_eco_nothost_pct_calc)
```

	Measure	Value
1	Mean	0.4057342
2	Median	0.3500000
3	Mode	0.0000000

```
# Display histogram
hist(eco_nothost_pct_calc*100, main = "Histogram: Percentage of Events not able to Host in Past Year if
```

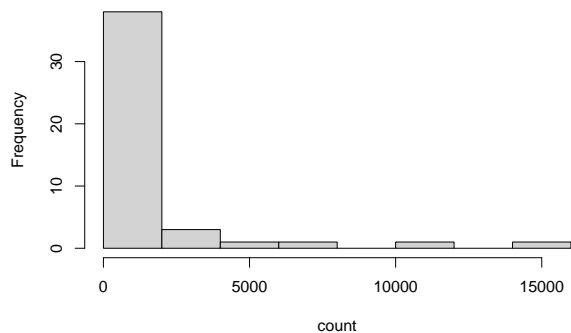
## Histogram: Percentage of Events not able to Host in Past Year if without



Questions: If there were no TB, how many of your constituents, including volunteers, members, and event attendees, would have been negatively impacted in the past year?

Measure	Value
1 Max	15000.000
2 Min	0.000
3 Range	15000.000
4 Mean	1306.444
5 Median	150.000
6 Mode	100.000

Histogram of Number of Constituents Affected if without TB



Calculated:

Reflecting on your events in the past year, how many events did your organization host?

If there were no TB, how many of your events in the past year would you not have been able to host?

What percentage of the events hosted last year did the TB help make possible? ### Plots

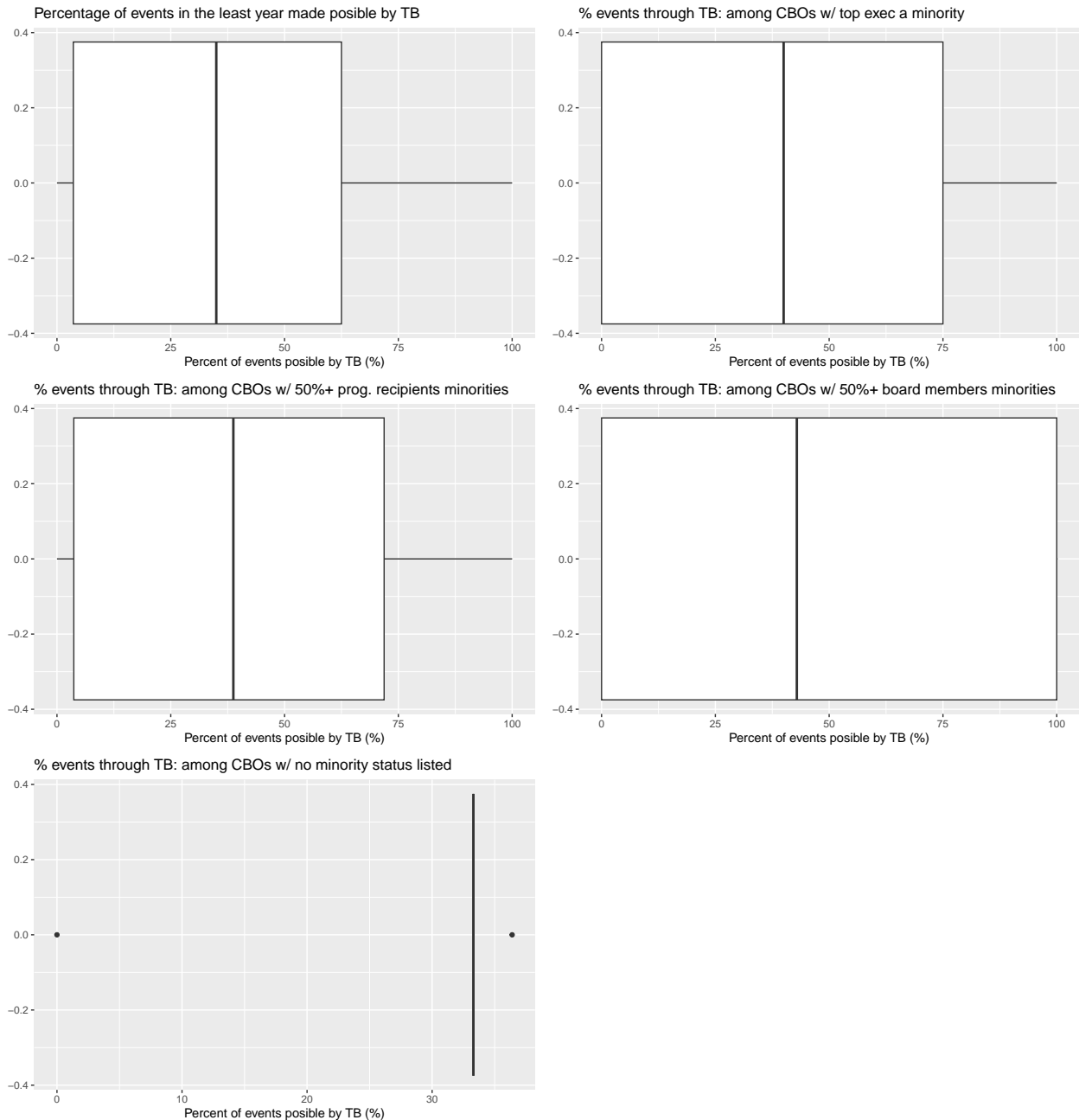
```
# A tibble: 1 x 1
```

```
  'Average % of a CBO's events possible through TB in past year'
```

```
    <dbl>
```

```
1
```

```
40.6
```





## Section 5: Community Impact

Question: With the money that you have saved on purchasing, storing, and maintaining tools and equipment, what have you been able to accomplish?

	choices	percentage
1	Hired additional staff positions	0.044
2	Hosted additional projects or events	0.6
3	other	0.244

Question: Without the TB, what would you no longer be able to fund?

	choices	percentage
1	Staff	0.044
2	Projects	0.578
3	other	0.156

Among partners indicated certain effect, what is the average quantified effects

```
mean(data$ci_staff, na.rm = T)
```

```
[1] 1.5
```

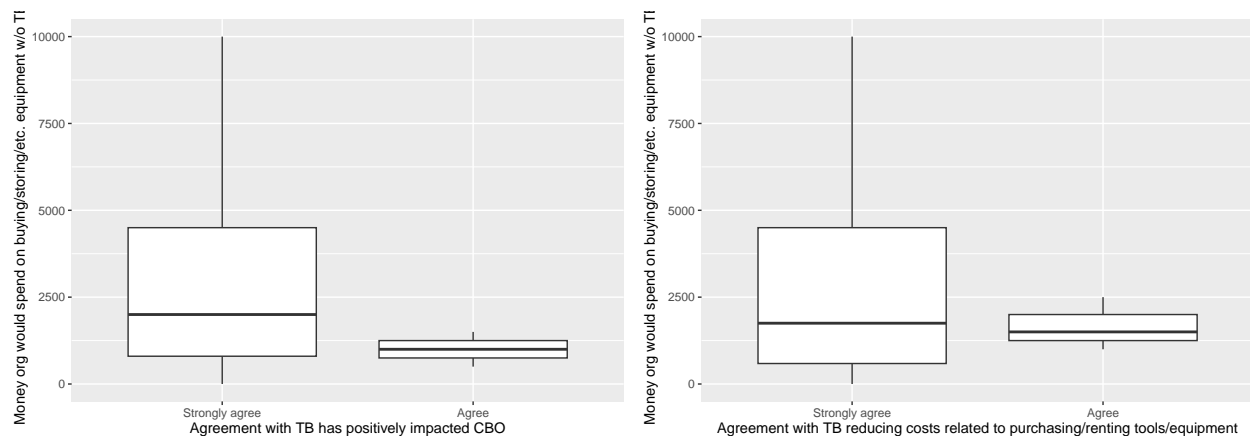
```
mean(data$ci_project, na.rm = T)
```

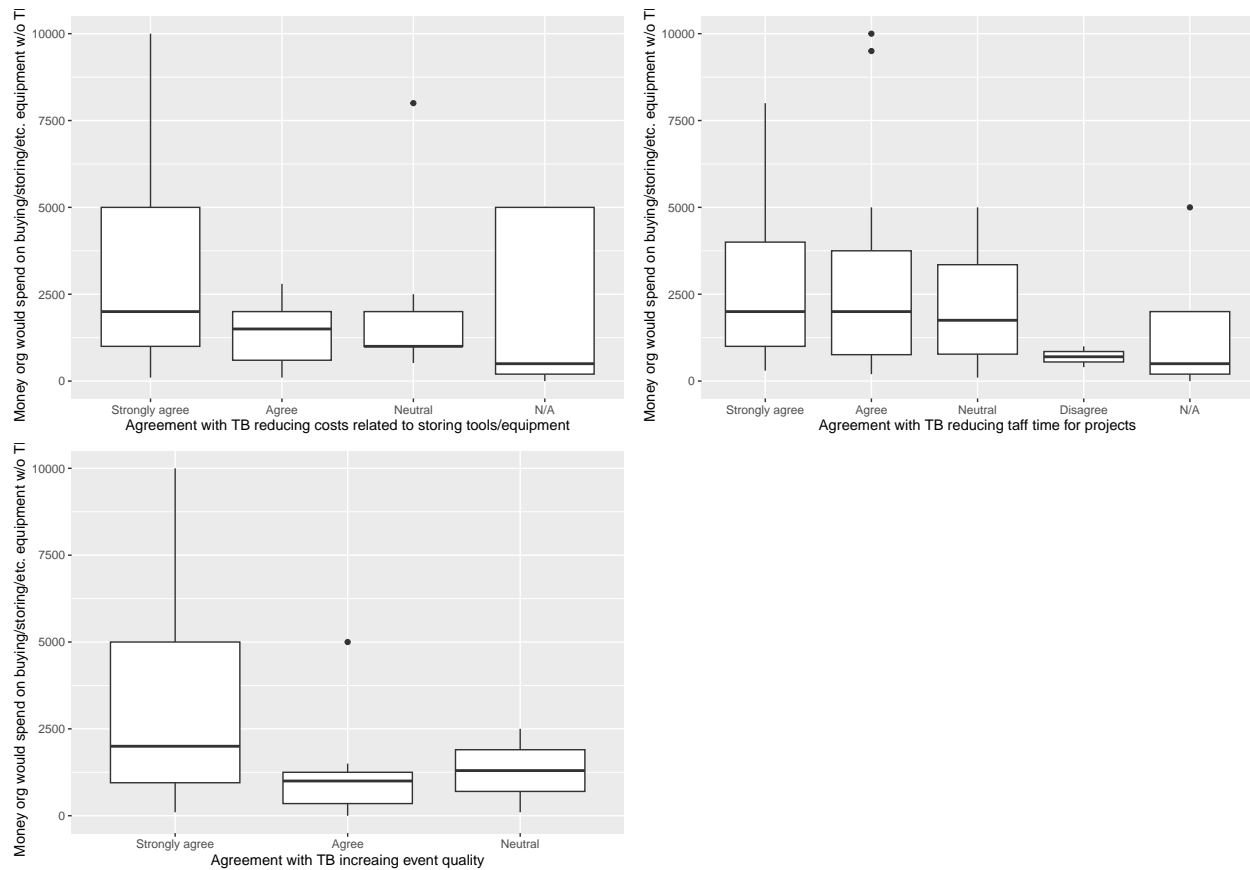
```
[1] 5.04
```

Quantify effect of “other”, if selected

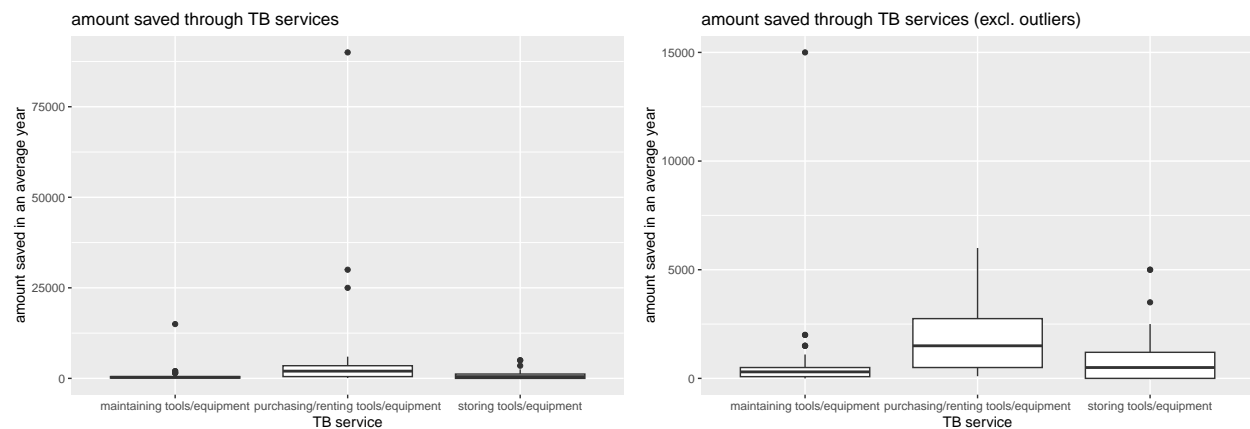
## Analysis surroundingg questions

Question: do organizations with higher savings through toolbank report more of a positive impact?





Question: How do savings vary by different toolbank offerings?



Question: What is the relationship like between minority-led CBOs and the toolbank compared to non-minority led CBOs?

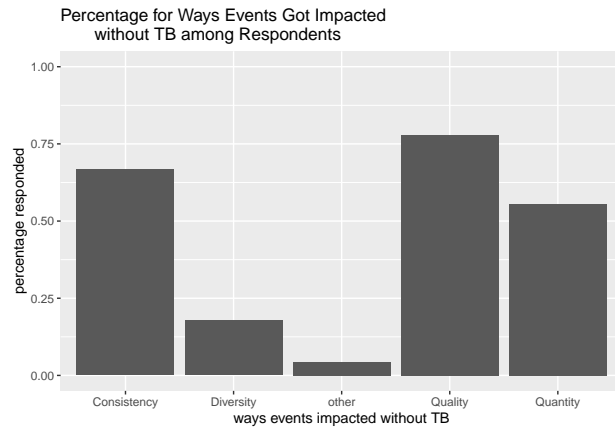
Question: where within the organization does the Toolbank impact most?

Histogram, faceted by responded staff versus responded projects– can incorporate “Other” if consistent across organizations X = number (of staff or projects) Facet: Without the TB, what would you no longer be able to fund? (code note: will also have to manipulate data a bit to get this)

Question: In what ways has the community benefited through the toolbank? What are the most prominent types of events (or organization types) the toolbank supports?

2 bar chart X1 = ways of impact; X2 = event types Y = % respondent Can incorporate other if there is consistency across respondents

	choices	percentage
1	Quantity	0.556
2	Quality	0.778
3	Diversity	0.178
4	Consistency	0.667
5	other	0.044



	choices	percentage
1	Fundraising	0.311
2	Service Projects	0.756
3	Educational Workshops	0.333
4	Community Building	0.844
5	other	0.133

