

# COP26 at Fram November 2021

Analysis of the survey responses

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# 1 Introduction

The Sustainability Framlingham group ran a survey in November 2021 intended to collect Framlingham residents' views on a range of potential sustainability actions or initiatives.

The survey organised its questions into four themes:

- Emissions reduction - reducing our 'carbon' footprint
- Biodiversity enhancement - making space for nature
- Least trace living - reducing waste and increasing re-use
- Resilience - reducing the risks of climate change

Each theme asked between 4 and 6 questions.

The survey was distributed in two ways:

- online (available during the whole of November 2021)
- on paper at a market stall on the 6th November, timed to coincide with COP26

The online survey was communicated via various social media and the Town Council's website/newsletter.

The market survey was available to all visitors to the stall on the 6th November and was also taken round to market visitors on that morning by students from Framlingham College. The market stall also offered information in the form of:

- posters summarising evidence on climate change as well as national and local district/parish emissions footprints;

- a leaflet on the Framlingham sustainability themes

The survey responses therefore represent the views of those who chose to respond online or who agreed to respond at the market. In both cases respondents are likely to be those who are *already* more engaged with sustainability issues and so should not be considered as representative of the views of all Framlingham residents. It is also likely that at least some responses came from non-Framlingham residents.

## 2 Data

There were 118 survey responses. Of these:

- 58 were on-line responses between 2021-10-19 and 2021-11-17;
- 60 were paper-based responses collected at the market on 2021-11-06.

118 survey responses represent about 3 % of the estimated Framlingham population of ~ 4,000.

Table 1 shows the survey questions. These were worded identically in the online and paper-based surveys.

Table 1: Survey questions

Theme	Question
	Do you have any comments or further ideas we can consider?
Emissions reduction	1 DO YOU SUPPORT: Initiatives to improve energy efficiency (e.g. insulation, double glazing) incl
Emissions reduction	2 DO YOU SUPPORT: Installing publicly accessible electric vehicle charging points?
Emissions reduction	3 DO YOU SUPPORT: Encouraging homes and businesses to switch to renewable electricity suppl
Emissions reduction	4 DO YOU SUPPORT: Reducing car journeys - encourage local shopping, walk to school and car s
Emissions reduction	5 DO YOU SUPPORT: Promoting community solar panel and heat pump purchase schemes?
Emissions reduction	6 DO YOU SUPPORT: Providing a thermal imaging camera free for residents to borrow to identify
Biodiversity enhancement	7 DO YOU SUPPORT: Calling for new buildings to ‘make space for nature’ by designing for natur
Biodiversity enhancement	8 DO YOU SUPPORT: Working to create linked green wildlife corridors through and around the t
Biodiversity enhancement	9 DO YOU SUPPORT: Ensuring that green space management boosts local wildlife and encourage
Biodiversity enhancement	10 DO YOU SUPPORT: Allocating land to native planting, wildlife habitats and ‘re-wilding’ via th
Least trace living	11 DO YOU SUPPORT: Having a bigger recycling centre on the edge of Framlingham for a wider r
Least trace living	12 DO YOU SUPPORT: Encouraging swap and mend initiatives?
Least trace living	13 DO YOU SUPPORT: Aiming to get rid of all single use plastic (starting with bags & take away
Least trace living	14 DO YOU SUPPORT: Aiming to supply compostable bags at cost price, or free at point of use?
Resilience	15 DO YOU SUPPORT: Calling for new buildings and renovations to be designed to reduce or stor
Resilience	16 DO YOU SUPPORT: Working to prevent unsustainable development on local flood plains?
Resilience	17 DO YOU SUPPORT: Encouraging native tree planting to provide summer shading throughout t
Resilience	18 DO YOU SUPPORT: Exploring options for reducing the risk of overheating in buildings?

However the potential responses for the paper-based and online surveys differed:

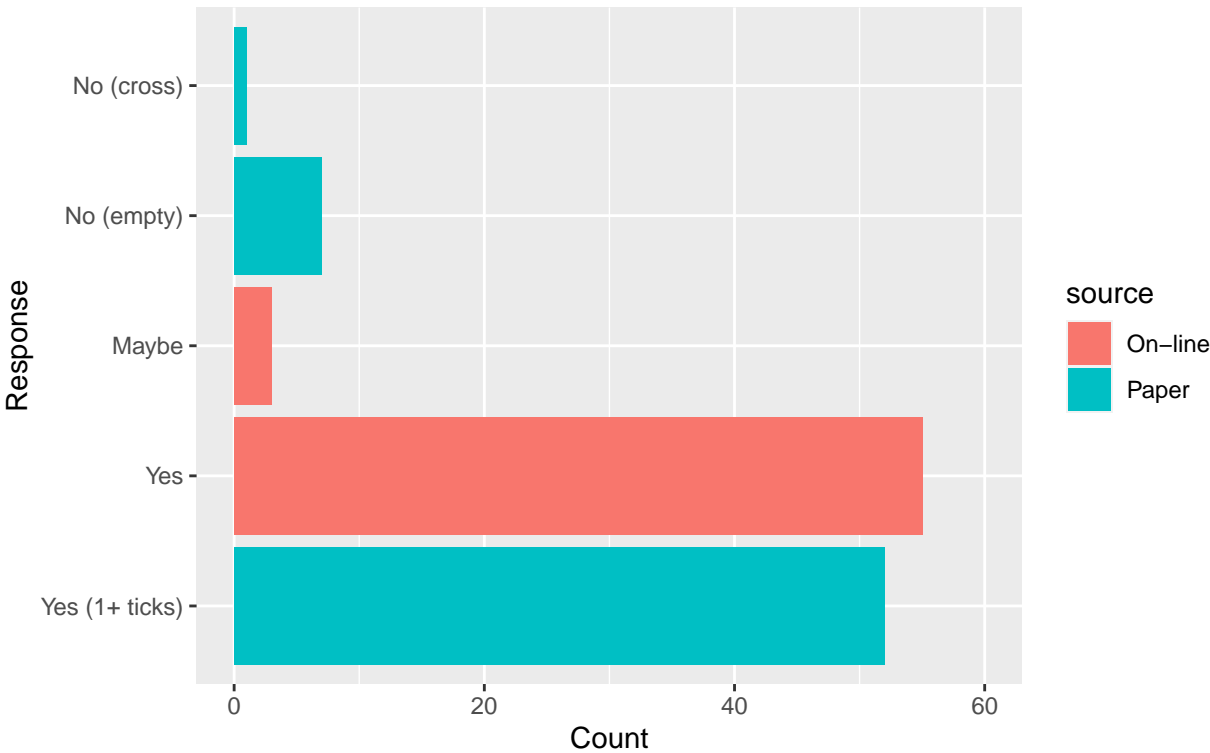
- online: options were yes, no, maybe and there was only the opportunity to add comments at the end in a specific ‘further ideas or comments’ question;
- paper: respondents were asked to tick boxes next to the options they would support - we have therefore coded empty tick boxes as ‘no’ but also coded boxes which were marked with an X as a more intentional ‘No.’ A number of paper respondents added comments beside their responses to each question. These are reported below each plot as a table - where the table is empty there were no specific comments.

In order to avoid confusion and maintain transparency the responses from the two forms of the survey are presented separately (but on the same plots) below.

### 3 Results

#### 3.1 Emissions reduction

##### 3.1.1 Q1: Initiatives to improve energy efficiency (e.g. insulation, double glazing) including listed buildings?

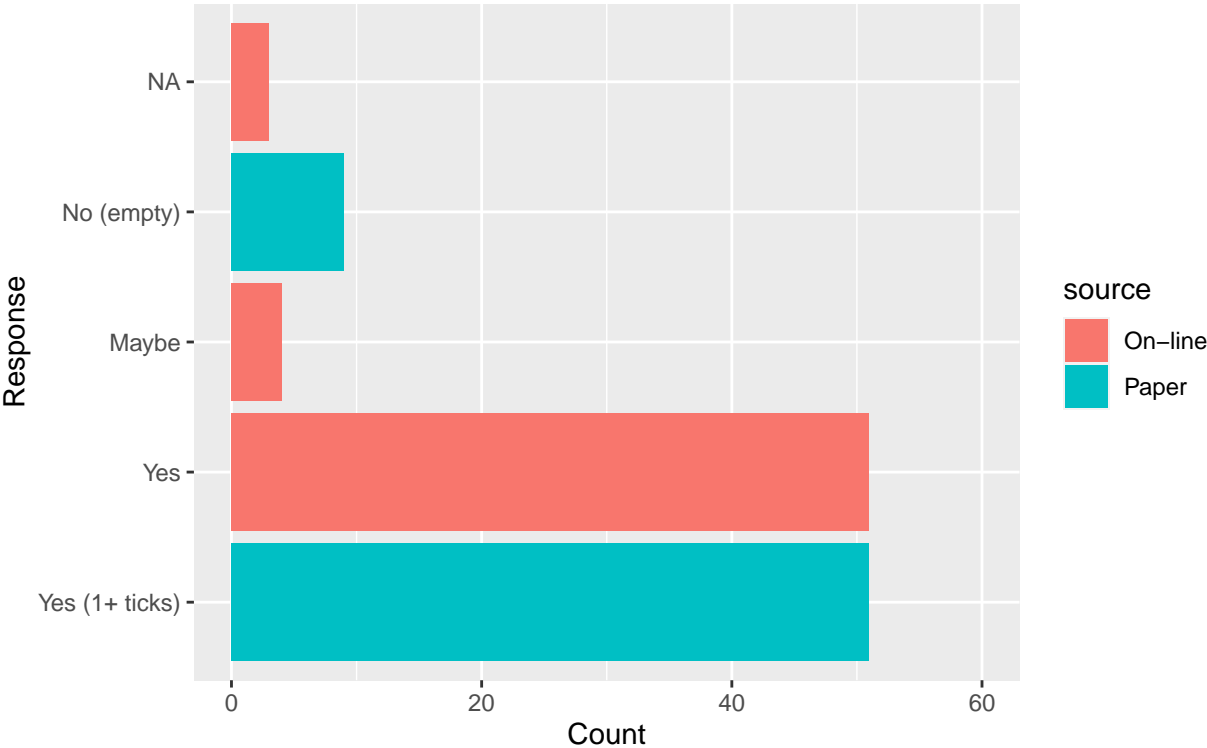


Total responses: 118  
 Theme: Emissions reduction  
 Initiatives to improve energy efficiency (e.g. insulation, double glazing) including listed buildings?

Table 2: Specific comments for this question (paper)

comment
assisting in applications for grants for insulation & effective home heating for elderly & vulnerable
Obliging all developers to build new buildings with sustainable materials & properly insulated with carbon neutral heating systems, D

3.1.2 Q2: Installing publicly accessible electric vehicle charging points

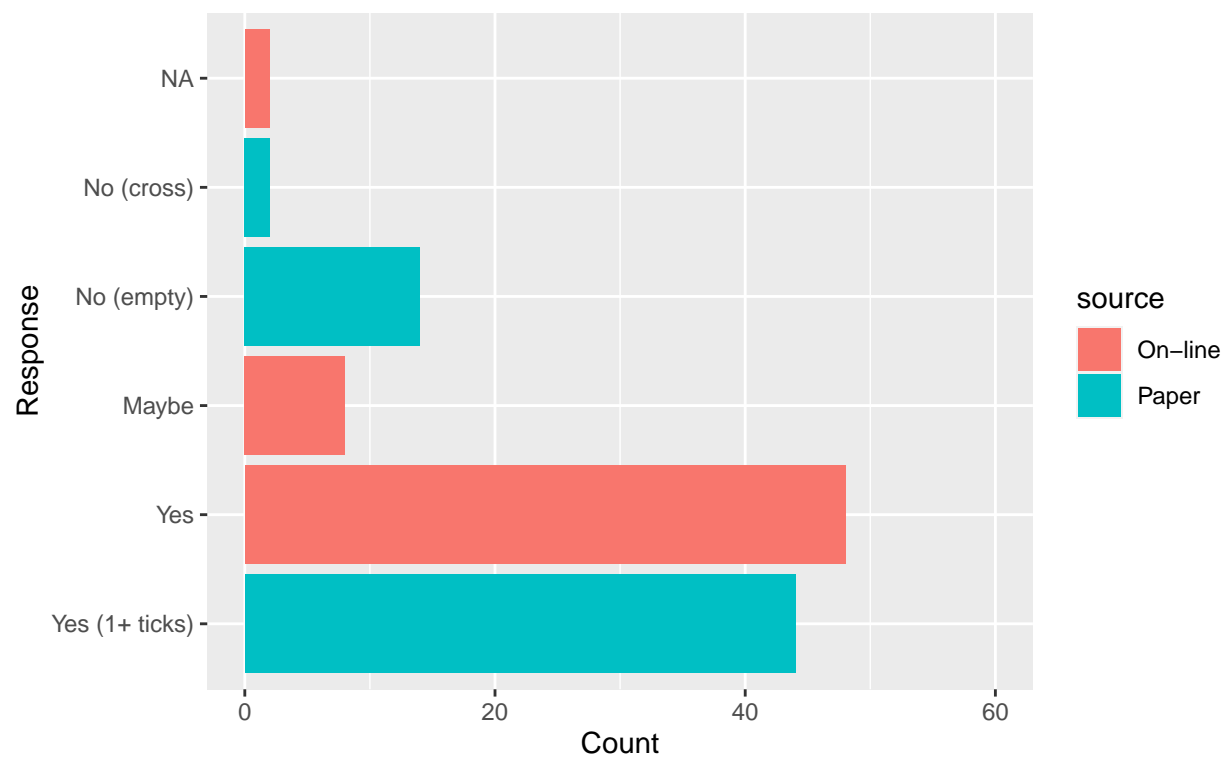


Total responses: 118  
Theme: Emissions reduction  
2 DO YOU SUPPORT: Installing publicly accessible electric vehicle charging points?

Table 3: Specific comments for this question (paper survey only)

comment
---------

3.1.3 Q3: Encouraging homes and businesses to switch to renewable electricity suppliers



Total responses: 118  
Theme: Emissions reduction

DU SUPPORT: Encouraging homes and businesses to switch to renewable electricity suppliers?

Table 4: Specific comments for this question (paper survey only)

comment
---------

3.1.4 Q4: Reducing car journeys - encourage local shopping, walk to school and car sharing schemes

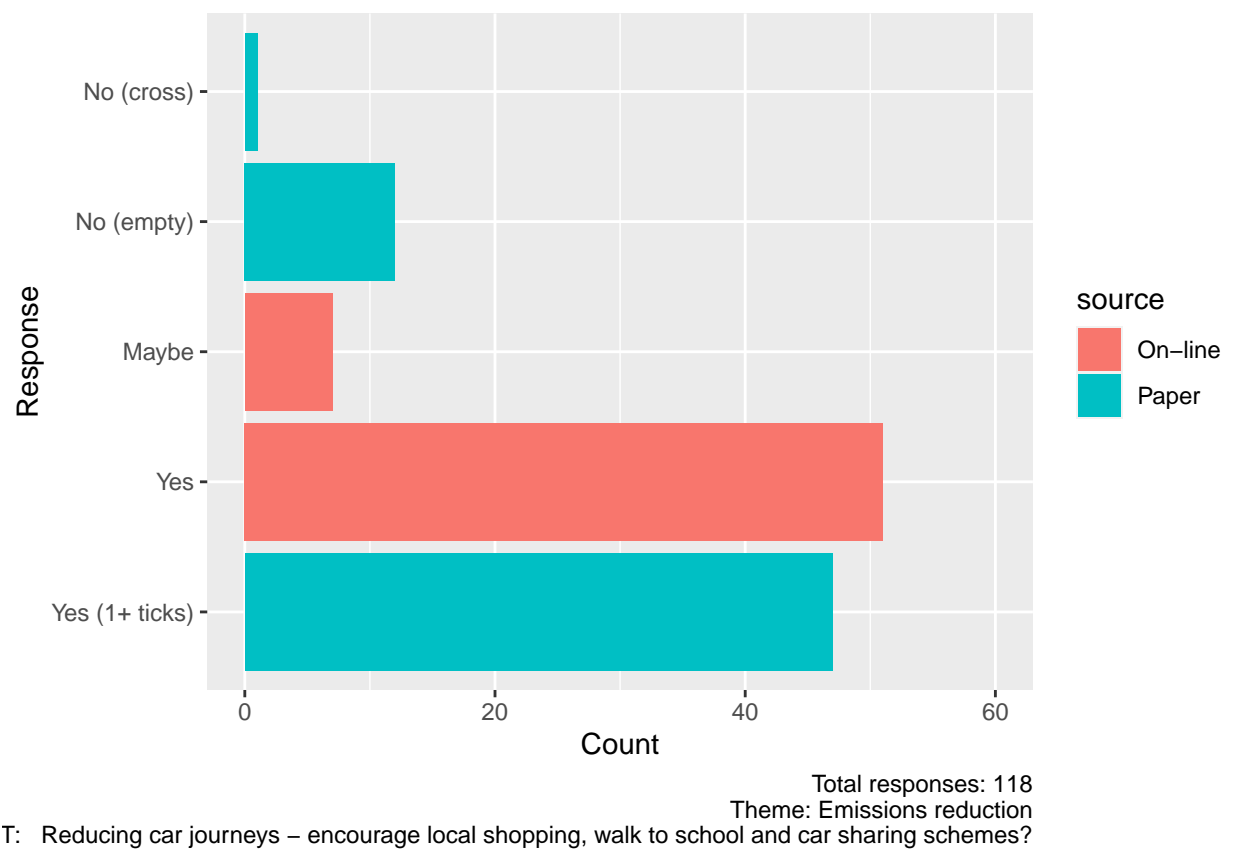
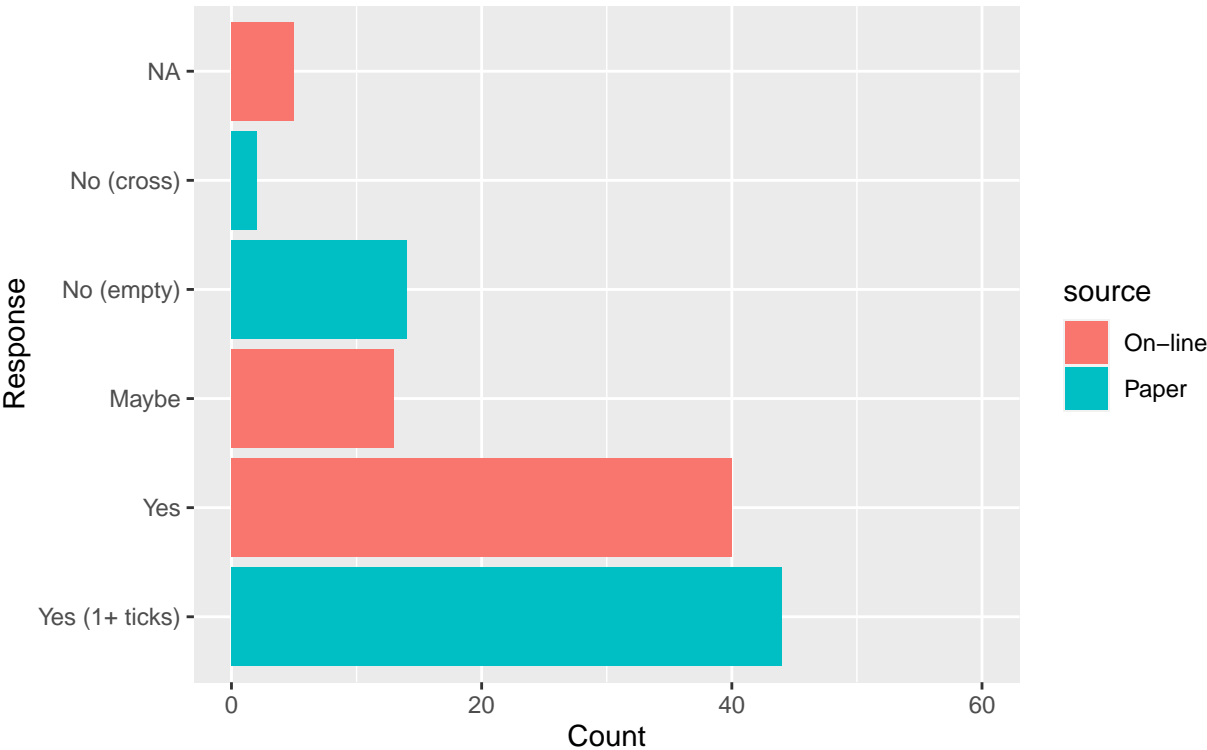


Table 5: Specific comments for this question (paper survey only)

comment
Bring back bus to rural villages
Minimise car travel, provide pedestrian/cycle use, Zebra crossing near Fram DIY to promotoe walking,
Close off Fram market to cars to encourage walking; introduce e-scooter schemes to reduce car use into town
Better & more bike racks - especially for cargo bikes + longer tandems / pulling trailers
car sharing schemes?
More public services leaving & returning to Framlingham
This!

3.1.5 Q5: Promoting community solar panel and heat pump purchase schemes



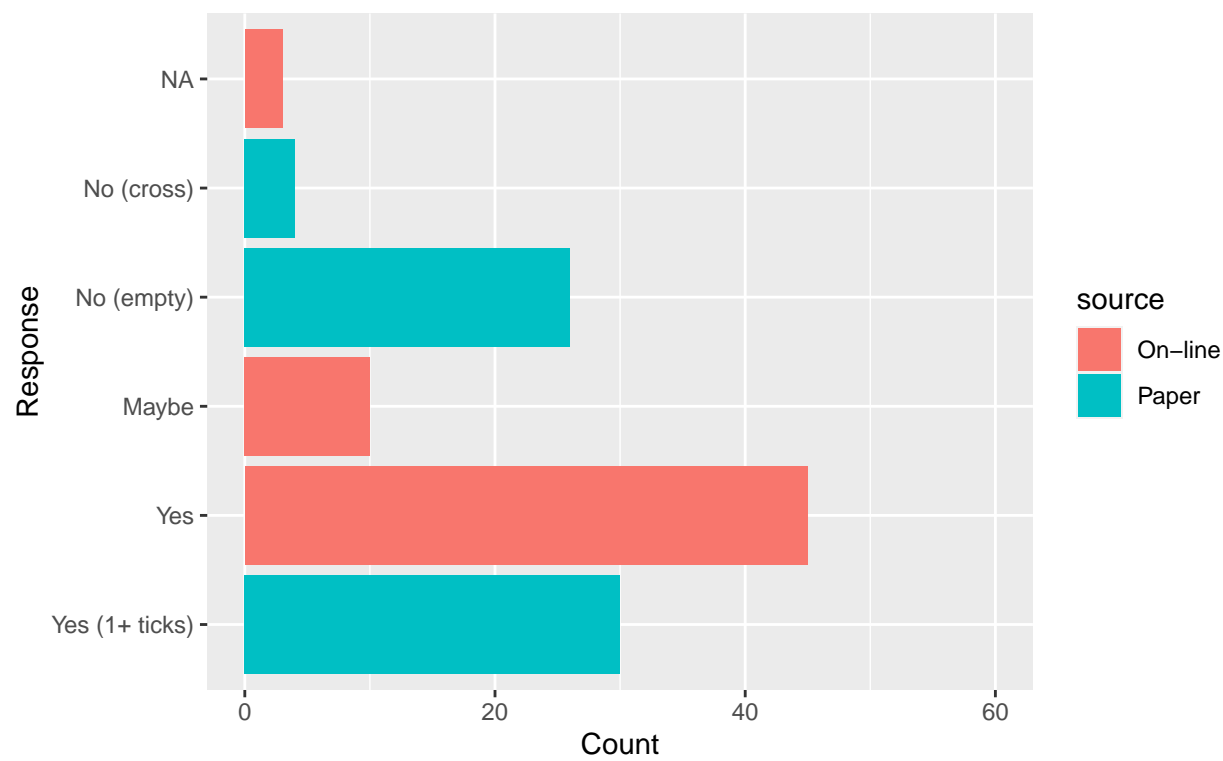
Total responses: 118  
Theme: Emissions reduction  
5 DO YOU SUPPORT: Promoting community solar panel and heat pump purchase schemes?

Table 6: Specific comments for this question (paper survey only)

comment
cost?
Subsidy or grants



3.1.6 Q6: Providing a thermal imaging camera free for residents to borrow to identify heat loss from homes



Total responses: 118

Theme: Emissions reduction

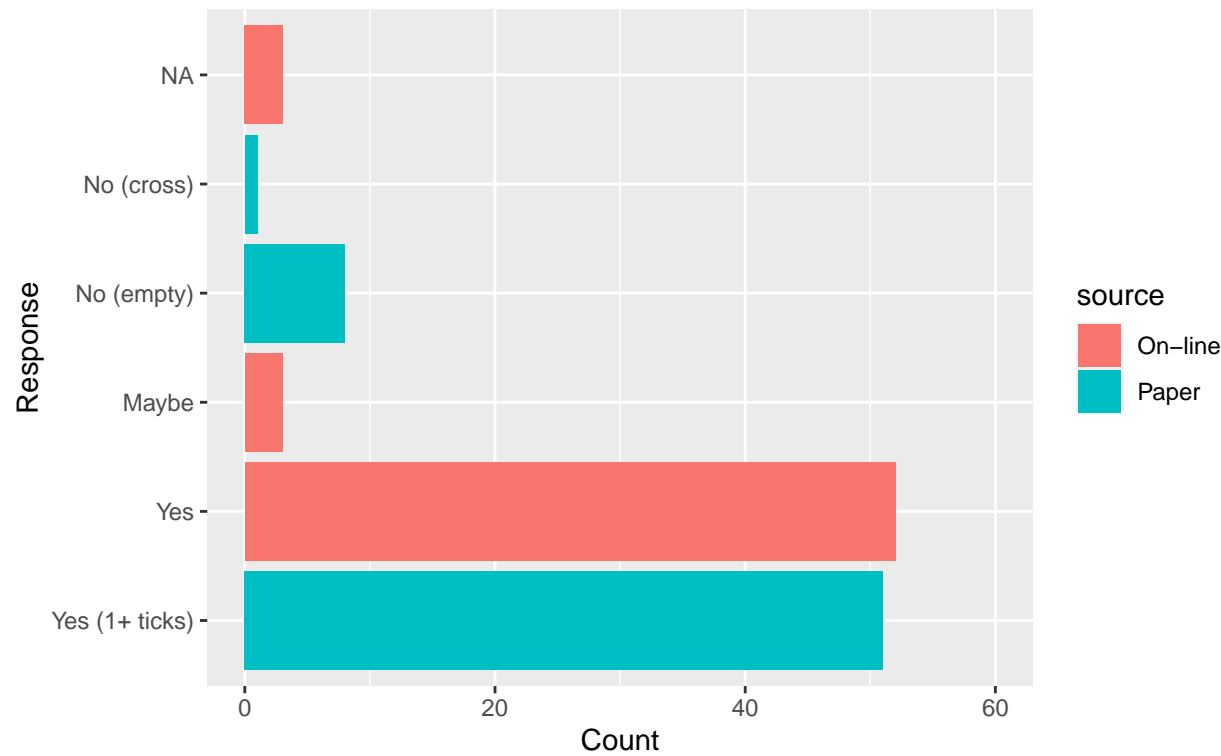
Providing a thermal imaging camera free for residents to borrow to identify heat loss from homes?

Table 7: Specific comments for this question (paper survey only)

comment
Good but costly

3.2 Biodiversity enhancement

3.2.1 Q7: Calling for new buildings to ‘make space for nature’ by designing for natural plant and wildlife habitats

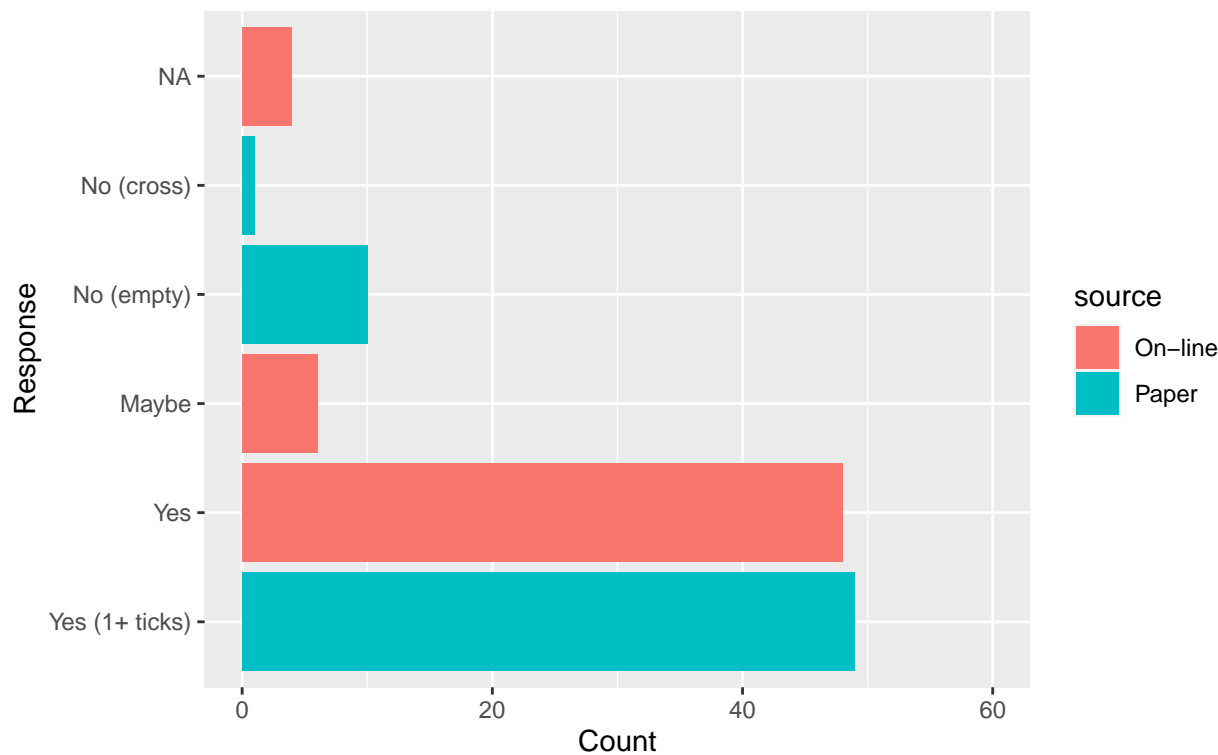


Total responses: 118  
Theme: Biodiversity enhancement  
for new buildings to ...make space for nature... by designing for natural plant and wildlife habitats?

Table 8: Specific comments for this question (paper survey only)

comment
As long as housing doesn't sprawl

3.2.2 Q8: Working to create linked green wildlife corridors through and around the town

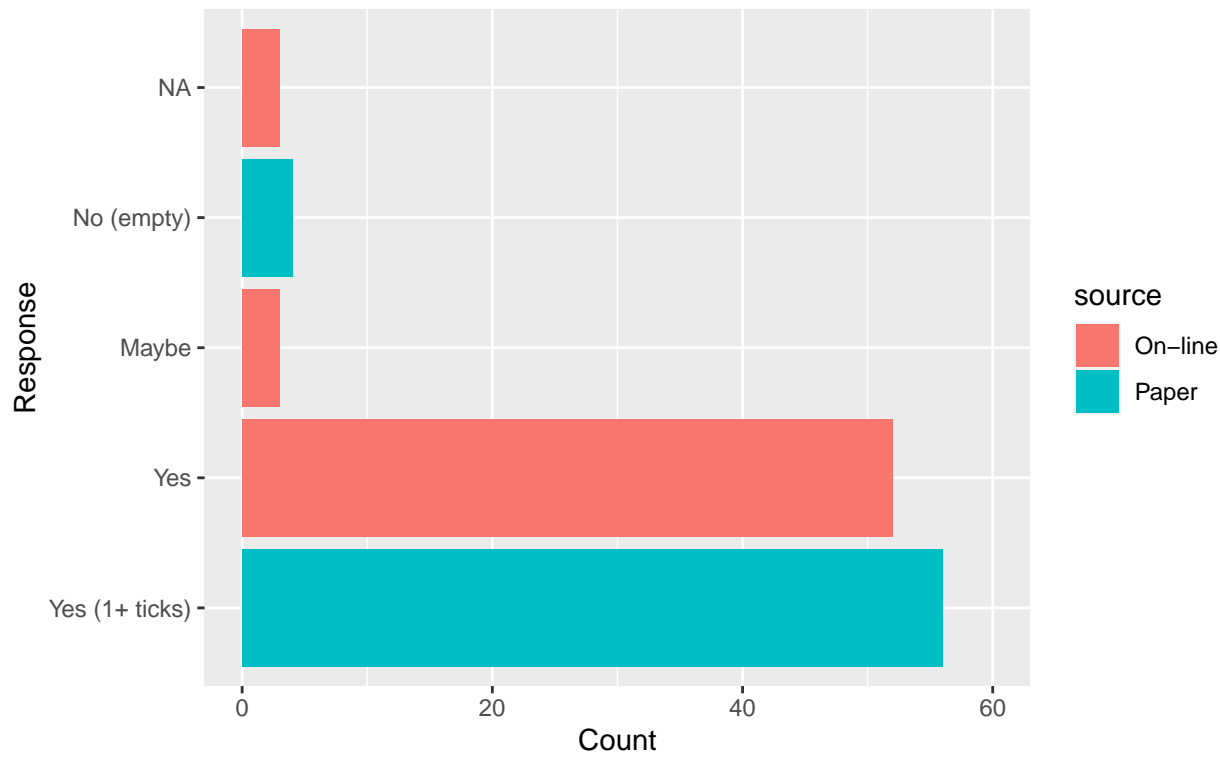


Total responses: 118  
Theme: Biodiversity enhancement  
YOU SUPPORT: Working to create linked green wildlife corridors through and around the town?

Table 9: Specific comments for this question (paper survey only)

comment
encourage locals to adopt lanes & verges to prevent spring cutting

3.2.3 Q9: Ensuring that green space management boosts local wildlife and encourage local land owners to do the same

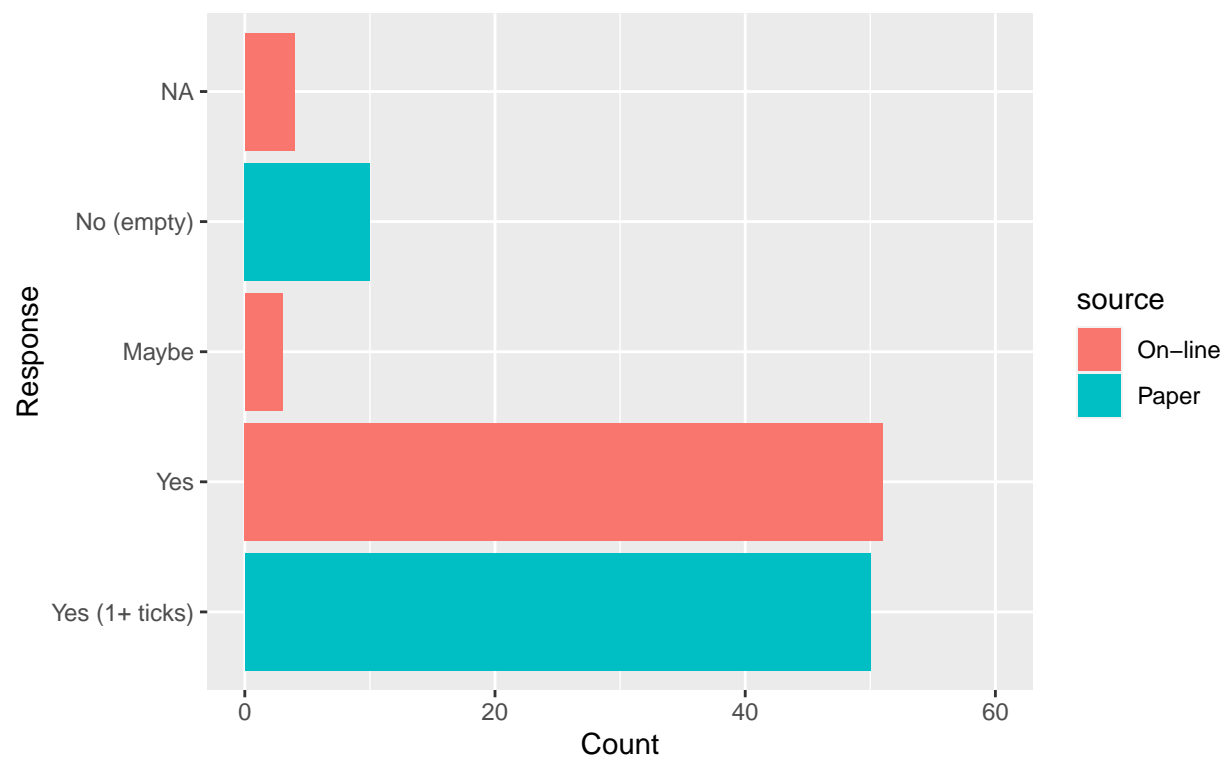


Total responses: 118  
Theme: Biodiversity enhancement  
green space management boosts local wildlife and encourage local land owners to do the same?

Table 10: Specific comments for this question (paper survey only)

comment
Already done?
Encourage re-wilding pledges to home & business premises

3.2.4 Q10: Allocating land to native planting, wildlife habitats and ‘re-wilding’ via the Neighbourhood Plan



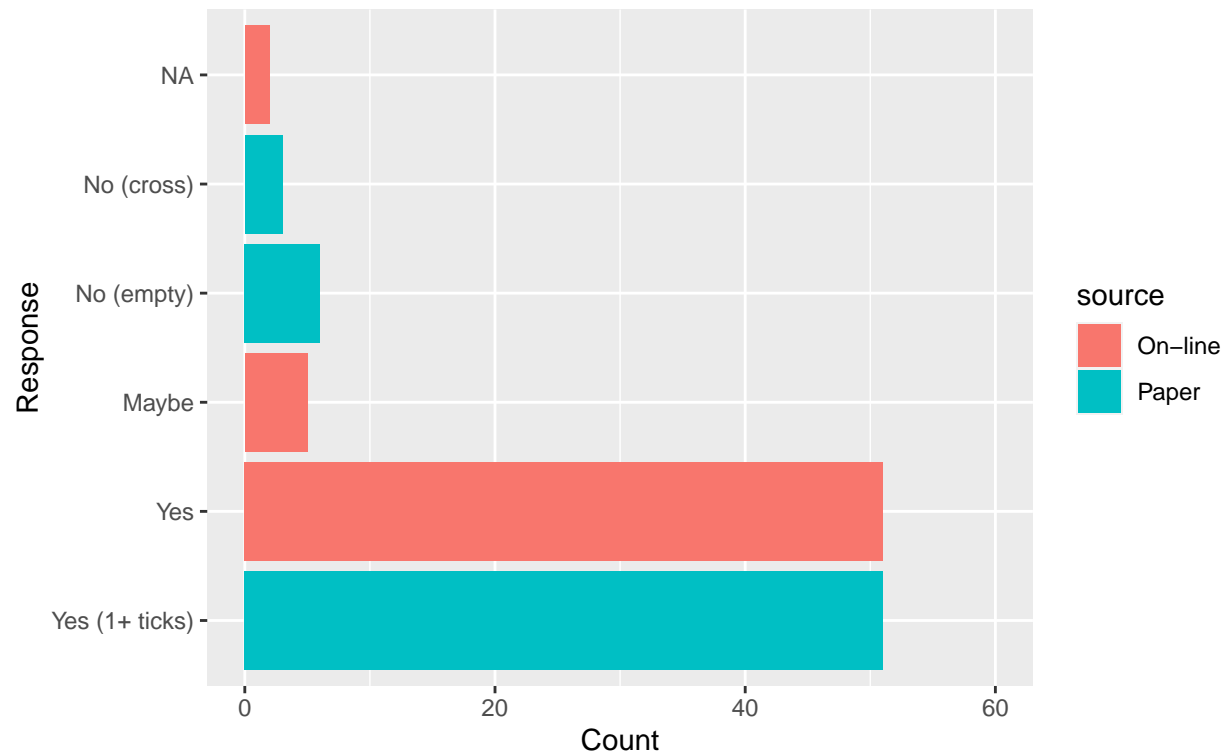
Total responses: 118  
Theme: Biodiversity enhancement  
T: Allocating land to native planting, wildlife habitats and 're-wilding' via the Neighbourhood Plan

Table 11: Specific comments for this question (paper survey only)

comment
As long as managed cost?
rewilding gardening practices

3.3 Least Trace Living

3.3.1 Q11: Having a bigger recycling centre on the edge of Framlingham for a wider range of materials



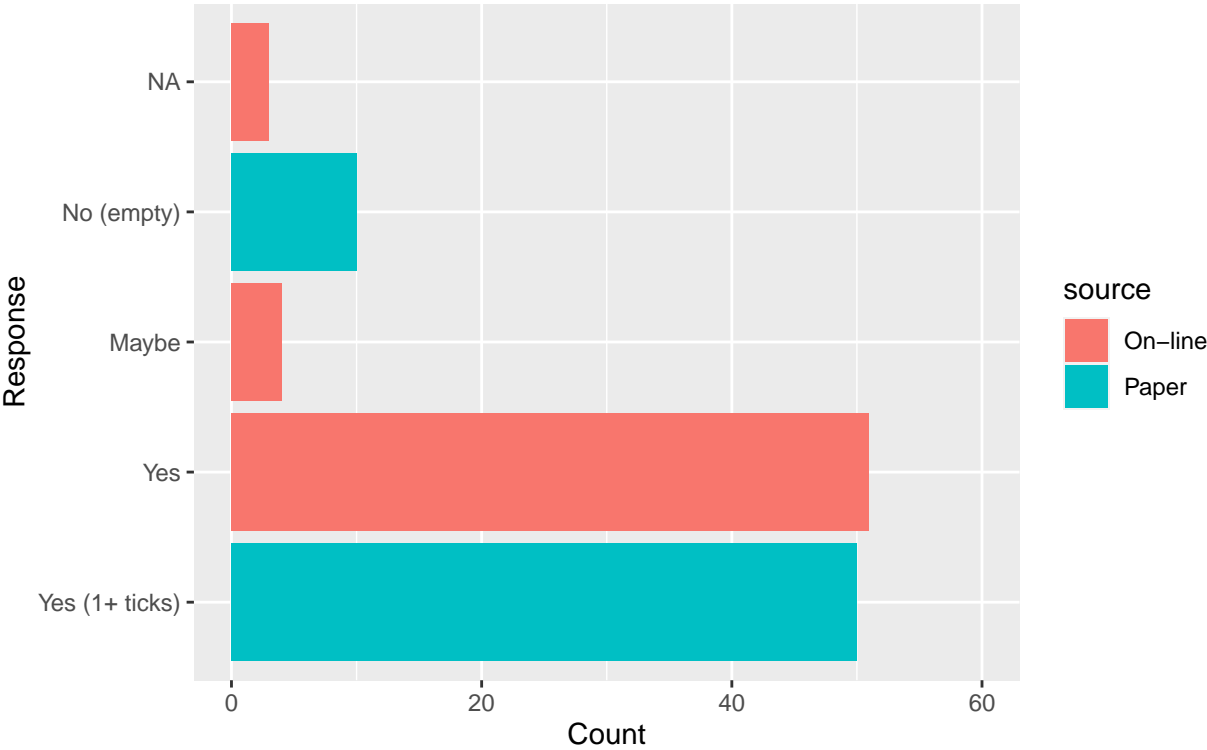
Total responses: 118  
Theme: Least trace living

RT: Having a bigger recycling centre on the edge of Framlingham for a wider range of materials?

Table 12: Specific comments for this question (paper survey only)

comment
No
We need easier ways to recycle items locally
Parking problem, who has priority?

3.3.2 Q12: Encouraging swap and mend initiatives

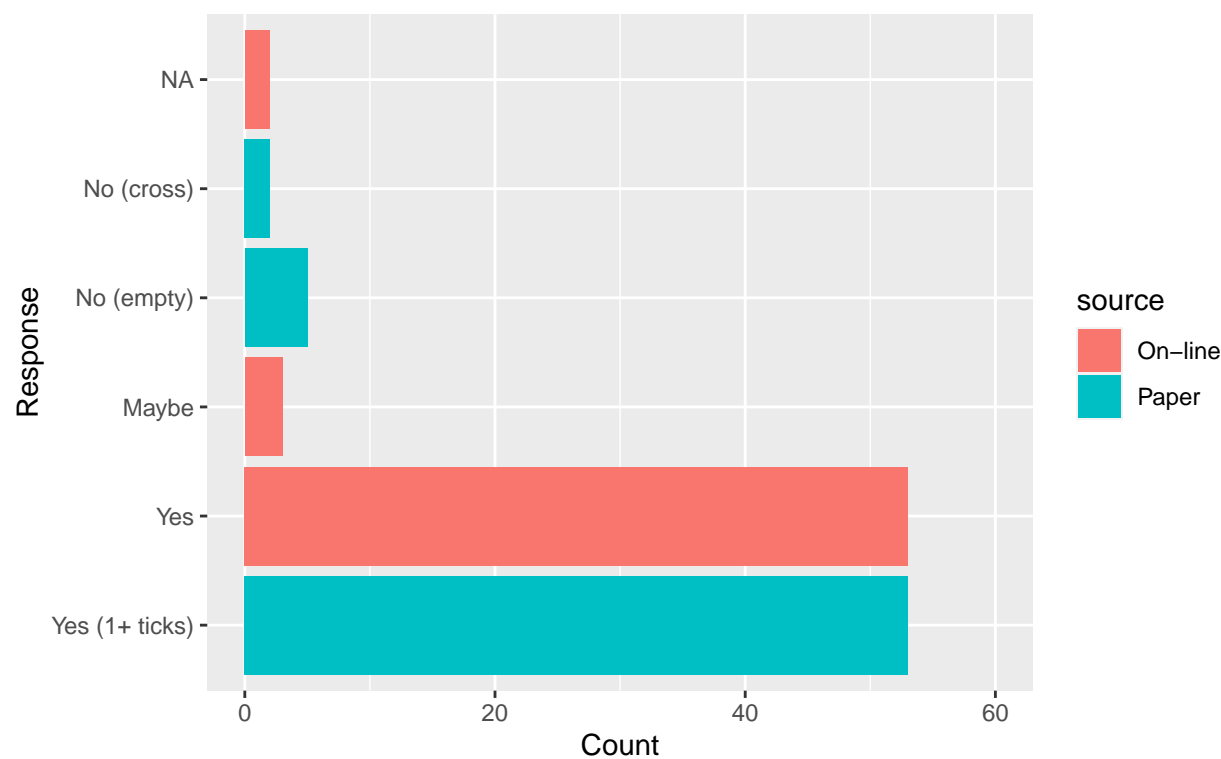


Total responses: 118  
Theme: Least trace living  
12 DO YOU SUPPORT: Encouraging swap and mend initiatives?

Table 13: Specific comments for this question (paper survey only)

comment
At variety of times so access to all
Educating on mending, charity shop fashion show
Thru social network (Fram fb) or pick-up point
including exchange of unwanted/2nd hand clothes - maybe a stand in the market?

3.3.3 Q13: Aiming to get rid of all single use plastic (starting with bags & take away packaging)



Total responses: 118  
Theme: Least trace living

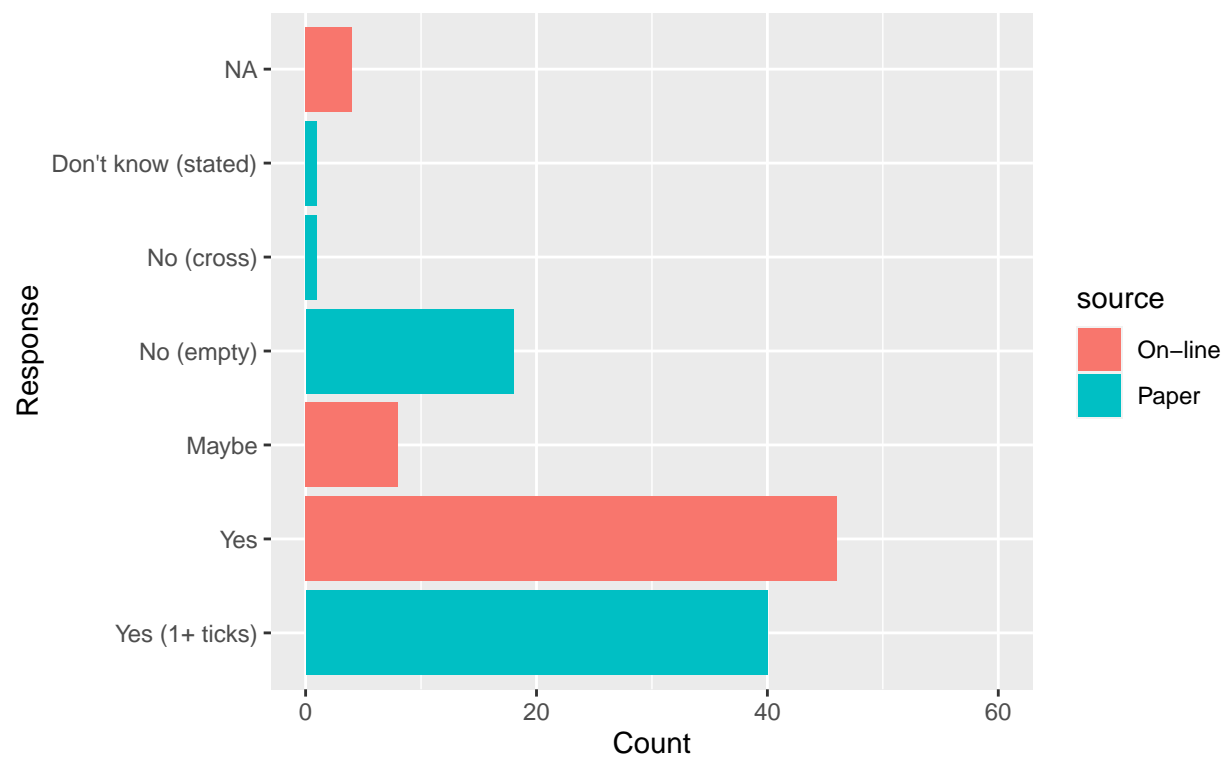
SUPPORT: Aiming to get rid of all single use plastic (starting with bags & take away packaging)?

Table 14: Specific comments for this question (paper survey only)

comment
Bigger bin at co-op
100% ban, supermarkets, small businesses; lobby supermarket to stop all supply of plastic bags & reduce plastic packaging



3.3.4 Q14: Aiming to supply compostable bags at cost price, or free at point of use



Total responses: 118  
Theme: Least trace living

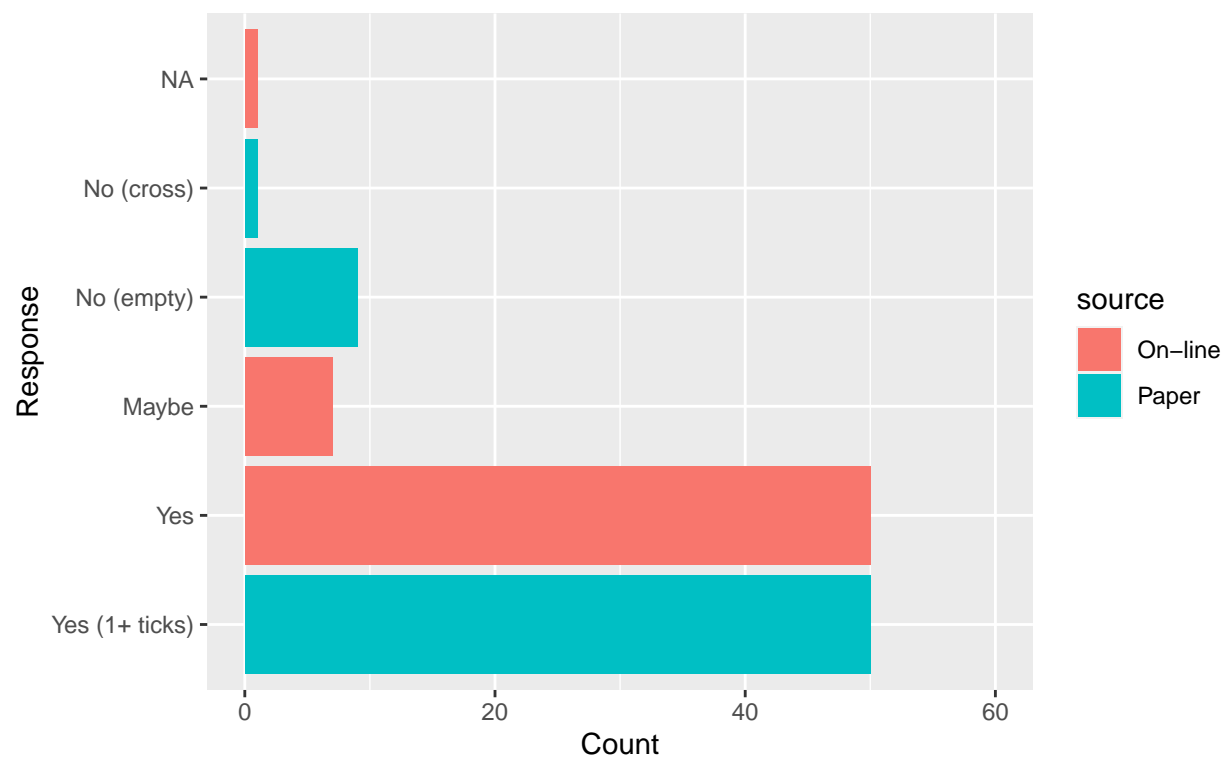
4 DO YOU SUPPORT: Aiming to supply compostable bags at cost price, or free at point of use?

Table 15: Specific comments for this question (paper survey only)

comment
Just ban plastic bags 100%
?

3.4 Resilience

3.4.1 Q15: Calling for new buildings and renovations to be designed to reduce or store rainwater run-off



Total responses: 118

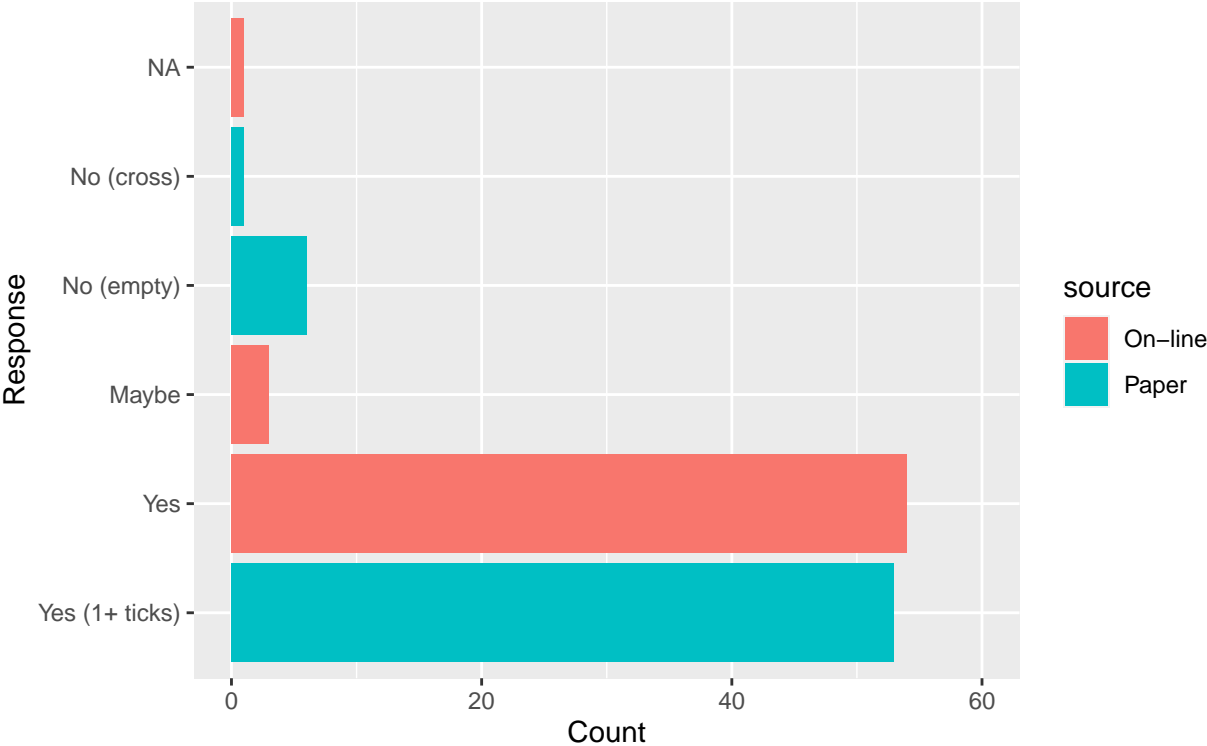
Theme: Resilience

T: Calling for new buildings and renovations to be designed to reduce or store rainwater run-off?

Table 16: Specific comments for this question (paper survey only)

comment
Increase brown water use
All to have car charge points and renewable energy built in

3.4.2 Q16: Working to prevent unsustainable development on local flood plains



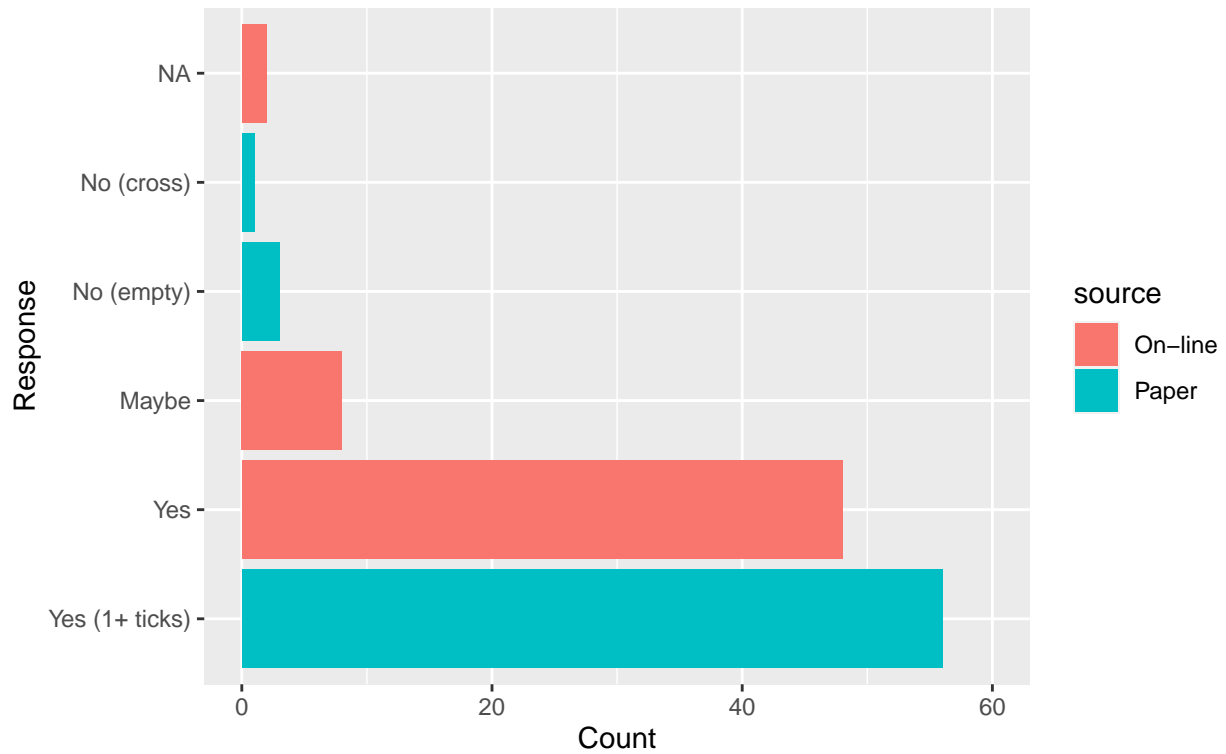
Total responses: 118  
Theme: Resilience

16 DO YOU SUPPORT: Working to prevent unsustainable development on local flood plains?

Table 17: Specific comments for this question (paper survey only)

comment
Again good idea, but costly

### 3.4.3 Q17: Encouraging native tree planting to provide summer shading throughout the town



Total responses: 118

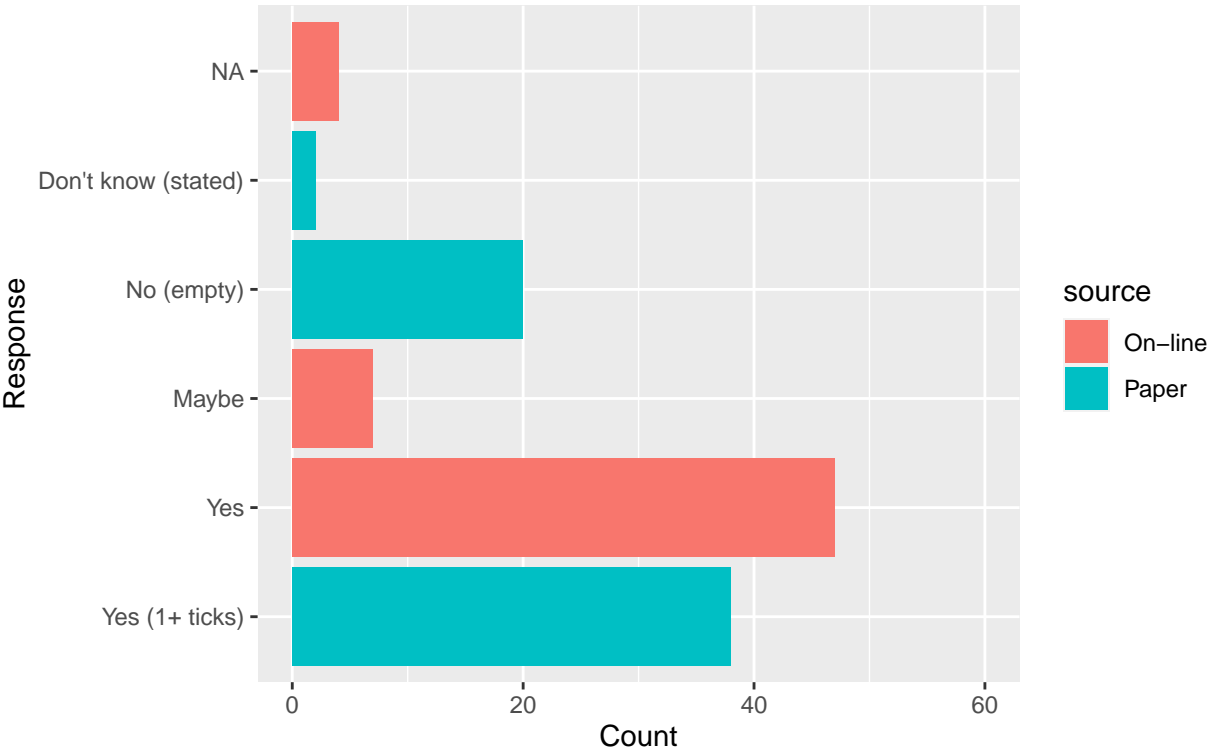
Theme: Resilience

J SUPPORT: Encouraging native tree planting to provide summer shading throughout the town?

Table 18: Specific comments for this question (paper survey only)

comment
---------

3.4.4 Q18: Exploring options for reducing the risk of overheating in buildings



Total responses: 118  
Theme: Resilience  
18 DO YOU SUPPORT: Exploring options for reducing the risk of overheating in buildings?

Table 19: Specific comments for this question (paper survey only)

comment
dk ?
?

3.5 General comments

The table below shows all general comments made at the end of the survey. No attempt has yet been made to cluster these by theme.

Please flag any that you consider disclosive (i.e. could identify the respondent) and these will be redacted in some way!

Table 20: General comments for this question (both surveys)

Comment	source
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3.6 Additional comments

In addition to the above the following general comments were also made.

- investigate a tree & woodland strategy - c.f. Stonehouse Town Council's Arboretum - strategy prepared by Barcham (local contact)
- investigate Debenham Repairs shed - Friday afternoons
- electric car chargers - could make 2 types available (fast & standard) but consider implications of each for how long vehicle would 'need' to be plugged in
- old oil tank comment?
- investigate Enterprise @ Badingham

## 4 Summary

Overall the respondents to the survey were generally supportive of all actions proposed.

Actions that were most strongly supported (> 80% of responses were 'yes') are shown in Table 21.

Table 21: Most strongly supported (> 80% of responses were 'yes')

Theme	Question
Biodiversity enhancement	9 DO YOU SUPPORT: Ensuring that green space management boosts local wildlife and encourages
Emissions reduction	1 DO YOU SUPPORT: Initiatives to improve energy efficiency (e.g. insulation, double glazing) incl
Resilience	16 DO YOU SUPPORT: Working to prevent unsustainable development on local flood plains?
Least trace living	13 DO YOU SUPPORT: Aiming to get rid of all single use plastic (starting with bags & take away
Resilience	17 DO YOU SUPPORT: Encouraging native tree planting to provide summer shading throughout
Biodiversity enhancement	7 DO YOU SUPPORT: Calling for new buildings to 'make space for nature' by designing for natur
Emissions reduction	2 DO YOU SUPPORT: Installing publicly accessible electric vehicle charging points?
Least trace living	11 DO YOU SUPPORT: Having a bigger recycling centre on the edge of Framlingham for a wider r
Biodiversity enhancement	10 DO YOU SUPPORT: Allocating land to native planting, wildlife habitats and 're-wilding' via th
Least trace living	12 DO YOU SUPPORT: Encouraging swap and mend initiatives?
Resilience	15 DO YOU SUPPORT: Calling for new buildings and renovations to be designed to reduce or stor
Emissions reduction	4 DO YOU SUPPORT: Reducing car journeys - encourage local shopping, walk to school and car s
Biodiversity enhancement	8 DO YOU SUPPORT: Working to create linked green wildlife corridors through and around the t

Actions that were least strongly supported (> 10% of responses were 'no') are shown in Table 22.

Table 22: Least strongly supported (> 10% of responses were 'no')

Theme	Question
Emissions reduction	6 DO YOU SUPPORT: Providing a thermal imaging camera free for residents to borrow to identify
Least trace living	14 DO YOU SUPPORT: Aiming to supply compostable bags at cost price, or free at point of use?
Resilience	18 DO YOU SUPPORT: Exploring options for reducing the risk of overheating in buildings?
Emissions reduction	5 DO YOU SUPPORT: Promoting community solar panel and heat pump purchase schemes?
Emissions reduction	3 DO YOU SUPPORT: Encouraging homes and businesses to switch to renewable electricity suppli

Theme	Question
Biodiversity enhancement	8 DO YOU SUPPORT: Working to create linked green wildlife corridors through and around the town
Emissions reduction	4 DO YOU SUPPORT: Reducing car journeys - encourage local shopping, walk to school and car sharing
Biodiversity enhancement	10 DO YOU SUPPORT: Allocating land to native planting, wildlife habitats and 're-wilding' via the town council
Emissions reduction	2 DO YOU SUPPORT: Installing publicly accessible electric vehicle charging points?
Least trace living	12 DO YOU SUPPORT: Encouraging swap and mend initiatives?

## 5 Annex

### 5.1 Full results table (% Yes)

Table 23: % Yes

Theme	Question
Biodiversity enhancement	9 DO YOU SUPPORT: Ensuring that green space management boosts local wildlife and encourages biodiversity
Emissions reduction	1 DO YOU SUPPORT: Initiatives to improve energy efficiency (e.g. insulation, double glazing) including in homes
Resilience	16 DO YOU SUPPORT: Working to prevent unsustainable development on local flood plains?
Least trace living	13 DO YOU SUPPORT: Aiming to get rid of all single use plastic (starting with bags & take away food)
Resilience	17 DO YOU SUPPORT: Encouraging native tree planting to provide summer shading throughout the town
Biodiversity enhancement	7 DO YOU SUPPORT: Calling for new buildings to 'make space for nature' by designing for nature
Emissions reduction	2 DO YOU SUPPORT: Installing publicly accessible electric vehicle charging points?
Least trace living	11 DO YOU SUPPORT: Having a bigger recycling centre on the edge of Framlingham for a wider range of materials
Biodiversity enhancement	10 DO YOU SUPPORT: Allocating land to native planting, wildlife habitats and 're-wilding' via the town council
Least trace living	12 DO YOU SUPPORT: Encouraging swap and mend initiatives?
Resilience	15 DO YOU SUPPORT: Calling for new buildings and renovations to be designed to reduce or store heat
Emissions reduction	4 DO YOU SUPPORT: Reducing car journeys - encourage local shopping, walk to school and car sharing
Biodiversity enhancement	8 DO YOU SUPPORT: Working to create linked green wildlife corridors through and around the town
Emissions reduction	3 DO YOU SUPPORT: Encouraging homes and businesses to switch to renewable electricity suppliers
Least trace living	14 DO YOU SUPPORT: Aiming to supply compostable bags at cost price, or free at point of use?
Resilience	18 DO YOU SUPPORT: Exploring options for reducing the risk of overheating in buildings?
Emissions reduction	5 DO YOU SUPPORT: Promoting community solar panel and heat pump purchase schemes?
Emissions reduction	6 DO YOU SUPPORT: Providing a thermal imaging camera free for residents to borrow to identify energy leaks

### 5.2 Full results table (% No)

Table 24: Least strongly supported

Theme	Question
Emissions reduction	6 DO YOU SUPPORT: Providing a thermal imaging camera free for residents to borrow to identify
Least trace living	14 DO YOU SUPPORT: Aiming to supply compostable bags at cost price, or free at point of use?
Resilience	18 DO YOU SUPPORT: Exploring options for reducing the risk of overheating in buildings?
Emissions reduction	5 DO YOU SUPPORT: Promoting community solar panel and heat pump purchase schemes?
Emissions reduction	3 DO YOU SUPPORT: Encouraging homes and businesses to switch to renewable electricity supply
Biodiversity enhancement	8 DO YOU SUPPORT: Working to create linked green wildlife corridors through and around the town
Emissions reduction	4 DO YOU SUPPORT: Reducing car journeys - encourage local shopping, walk to school and car s
Biodiversity enhancement	10 DO YOU SUPPORT: Allocating land to native planting, wildlife habitats and 're-wilding' via th
Emissions reduction	2 DO YOU SUPPORT: Installing publicly accessible electric vehicle charging points?
Least trace living	12 DO YOU SUPPORT: Encouraging swap and mend initiatives?
Biodiversity enhancement	7 DO YOU SUPPORT: Calling for new buildings to 'make space for nature' by designing for natur
Least trace living	11 DO YOU SUPPORT: Having a bigger recycling centre on the edge of Framlingham for a wider r
Resilience	15 DO YOU SUPPORT: Calling for new buildings and renovations to be designed to reduce or stor
Emissions reduction	1 DO YOU SUPPORT: Initiatives to improve energy efficiency (e.g. insulation, double glazing) incl
Least trace living	13 DO YOU SUPPORT: Aiming to get rid of all single use plastic (starting with bags & take away
Resilience	16 DO YOU SUPPORT: Working to prevent unsustainable development on local flood plains?
Biodiversity enhancement	9 DO YOU SUPPORT: Ensuring that green space management boosts local wildlife and encourage
Resilience	17 DO YOU SUPPORT: Encouraging native tree planting to provide summer shading throughout t

### 5.3 Data processing

This analysis was created using R embedded in Rmarkdown in RStudio.

### 5.4 R packages used

- base R (R Core Team 2016)
- bookdown (Xie 2016a)
- data.table (Dowle et al. 2015)
- ggplot2 (Wickham 2009)
- flextable (Gohel 2021)
- knitr (Xie 2016b)
- rmarkdown (Allaire et al. 2018)

## References

Allaire, JJ, Yihui Xie, Jonathan McPherson, Javier Luraschi, Kevin Ushey, Aron Atkins, Hadley Wickham, Joe Cheng, and Winston Chang. 2018. *Rmarkdown: Dynamic Documents for r*. <https://CRAN.R-project.org/package=rmarkdown>.



- Dowle, M, A Srinivasan, T Short, S Lianoglou with contributions from R Saporta, and E Antonyan. 2015. *Data.table: Extension of Data.frame*. <https://CRAN.R-project.org/package=data.table>.
- Gohel, David. 2021. *Flextable: Functions for Tabular Reporting*. <https://CRAN.R-project.org/package=flextable>.
- R Core Team. 2016. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Wickham, Hadley. 2009. *Ggplot2: Elegant Graphics for Data Analysis*. Springer-Verlag New York. <http://ggplot2.org>.
- Xie, Yihui. 2016a. *Bookdown: Authoring Books and Technical Documents with R Markdown*. Boca Raton, Florida: Chapman; Hall/CRC. <https://github.com/rstudio/bookdown>.
- . 2016b. *Knitr: A General-Purpose Package for Dynamic Report Generation in r*. <https://CRAN.R-project.org/package=knitr>.