

Four ways to make a better survey

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#WebExpo #SurveysThatWork

Today's agenda

Introduction and definitions

Goals: Focus your survey on a specific decision

Sample: Write an invitation that makes people want to answer

Questions: Ditch the rating scales

Responses: Lose your fear of open answers

Recap and retro

We are starting with introductions – 2 minutes

- I'll bring you sheet “Get to know each other in 2 minutes”
- Follow the instructions



Let's find out about our experiences

Silently write your answers (30 sec)

1. How many surveys have you run?

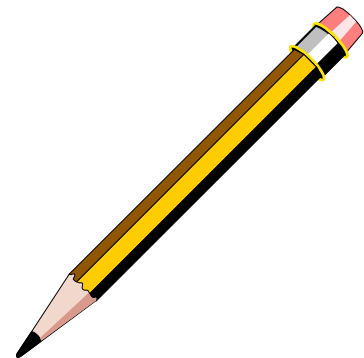
none

1 to 5

6 to 10

more than 10

2. What is your top tip for a better survey, based on experience of writing or answering?



Now work in pairs.

Try these questions as an interview. (1 min each)

1. How many surveys have you run?

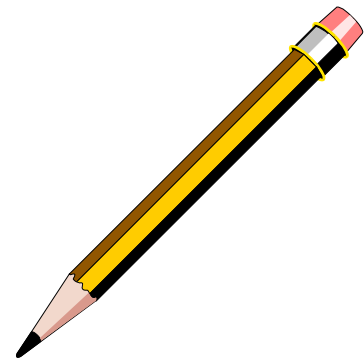
none

1 to 5

6 to 10

more than 10

2. What is your top tip for a better survey, based on experience of writing or answering?



So, what is a survey anyway?

This definition is in a survey methodology textbook

The survey is a
systematic method
for **gathering information** from
(a sample of) **entities**
for the purpose of
constructing **quantitative descriptors**
of the **attributes of the larger population**
of which the entities are members.

I change the definition a bit

systematic method

becomes

process

gathering information

becomes

asking questions

entities

become

people

quantitative descriptors

become

numbers

attributes of the larger
population

become

make decisions

My definition focuses on a survey as a process

The survey is a
process
of **asking questions** that are answered
by (a sample of) a defined group of
people
to get a **number**
that you can use to **make decisions**

Let's rearrange the definition, survey in the middle

To make decisions

People

The survey is a
process for getting
answers to questions

Numbers

And make it a bit clearer as a diagram

Why you want to ask

Who you want to ask

The survey is a
process for getting
answers to questions

Numbers

The aim of a survey is to get a number that helps you to make a decision

Why you want to ask

Who you want to ask

The Survey

The number

There's a lot to think about in the survey itself

Why you want to ask

Who you want to ask



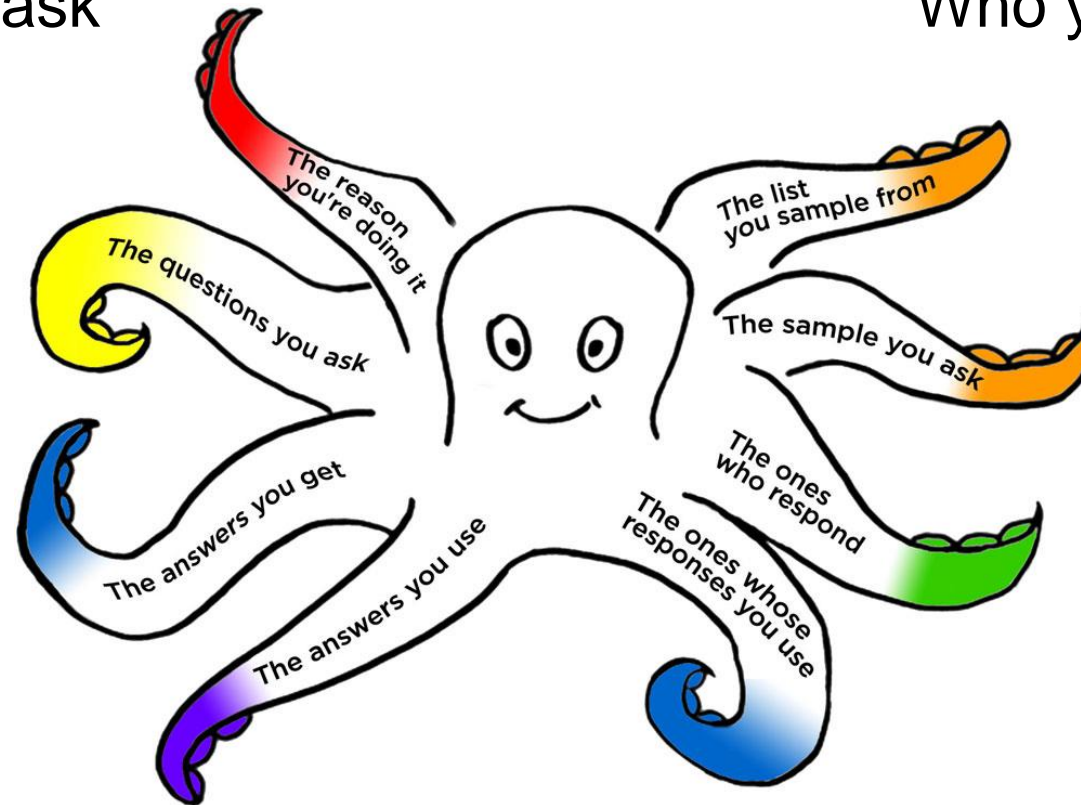
The Survey

The number

I made a Survey Octopus of the topics

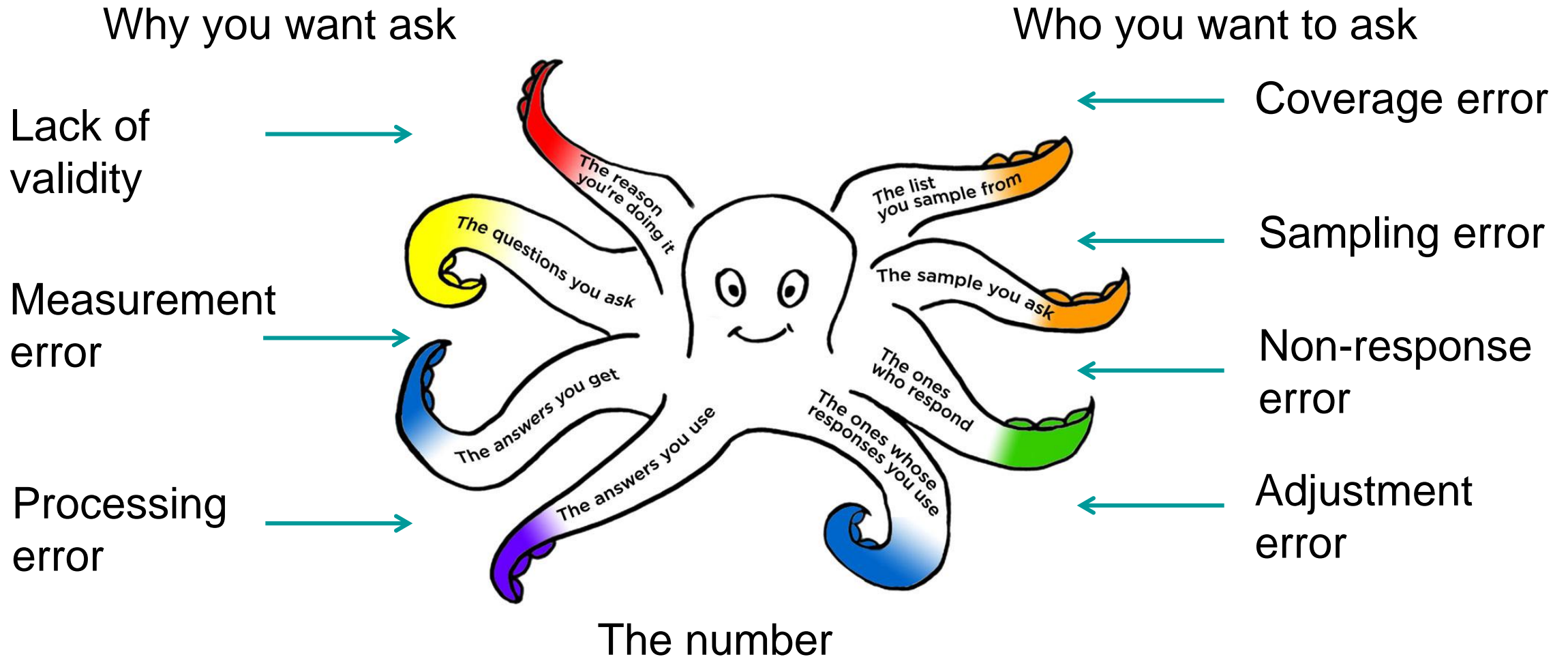
Why you want ask

Who you want to ask

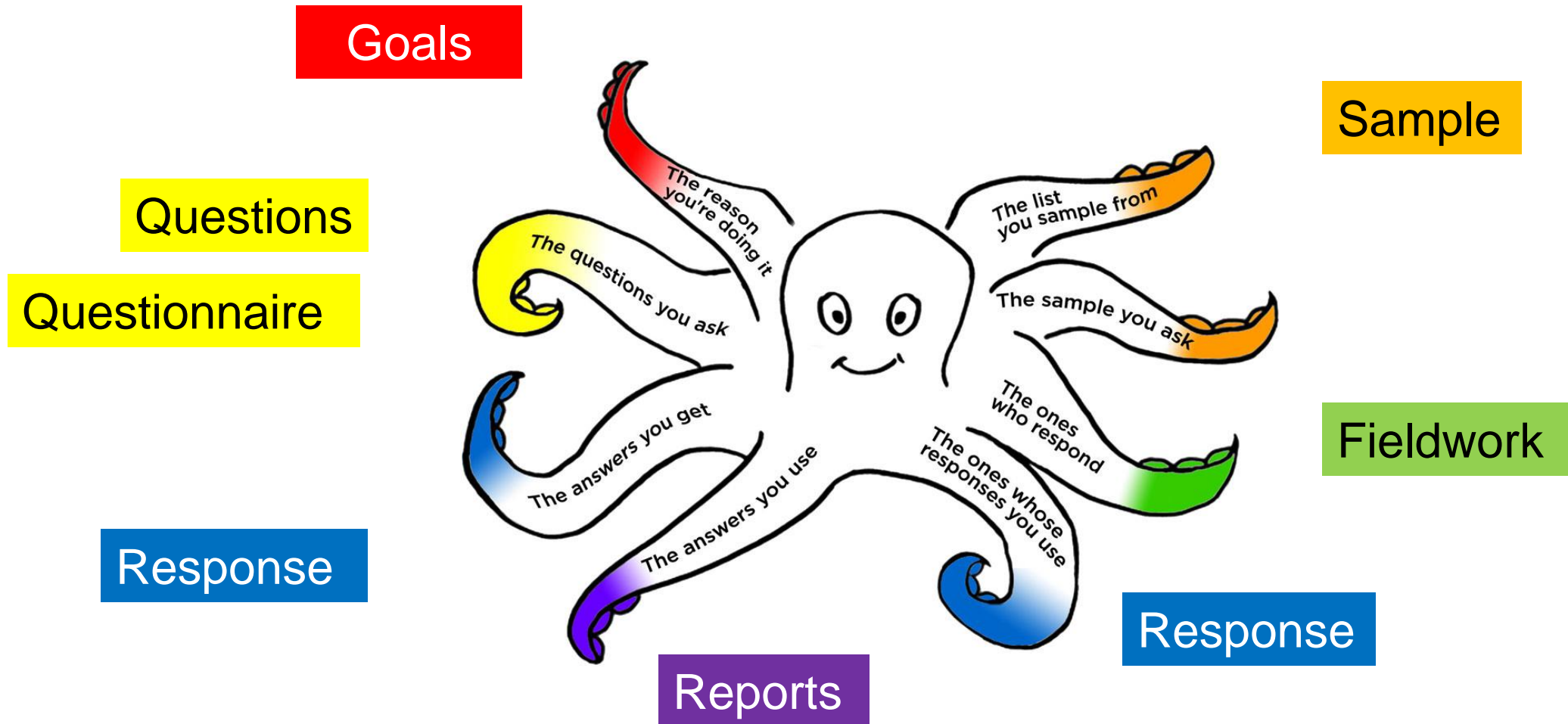


The number

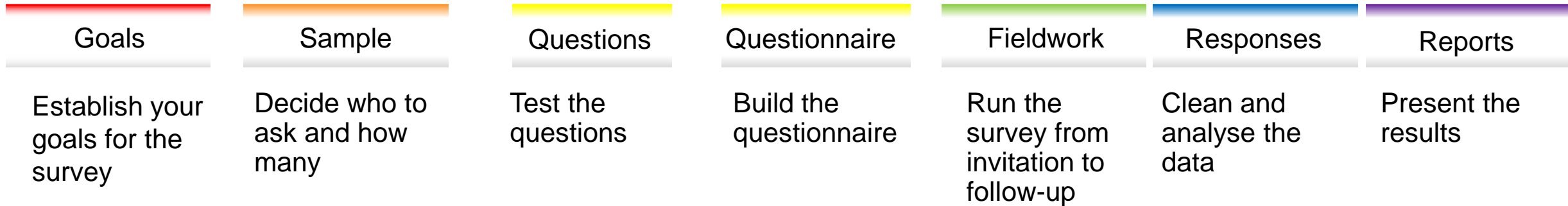
There are errors all around the Survey Octopus



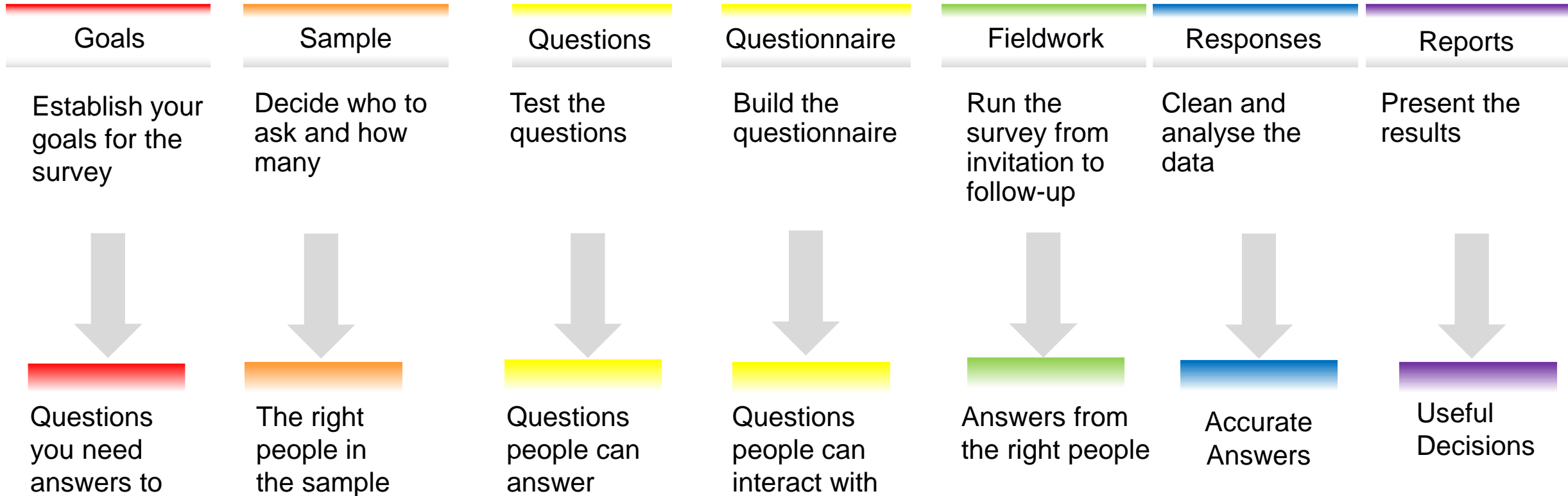
My process works through from goals to reports



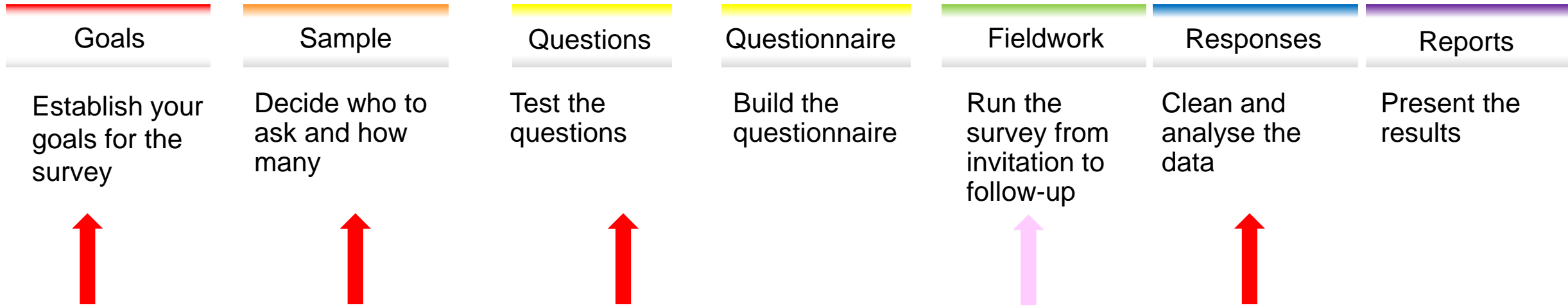
Here is my process in stages



You get a better survey by doing many things well



Today's topics are from some of the hardest bits



Today's agenda

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Recap and retro

Goals

Focus your survey on a specific decision

The goals set the scene for the survey

Goals

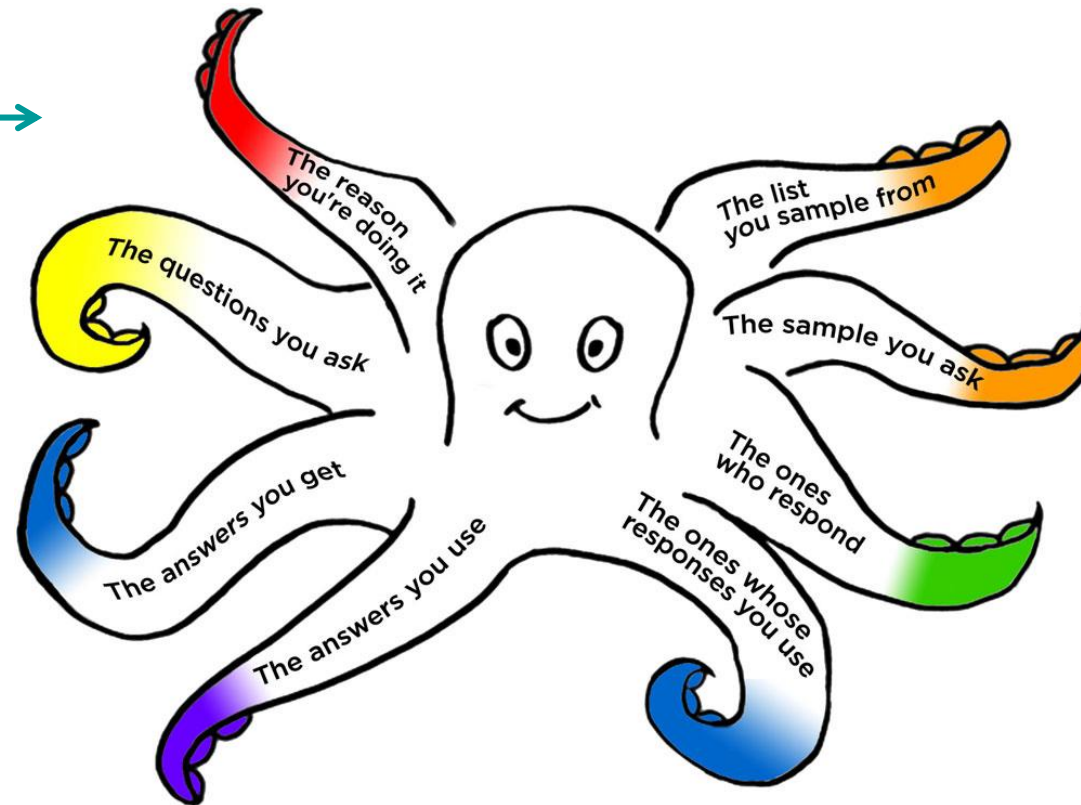
Establish your goals for the survey



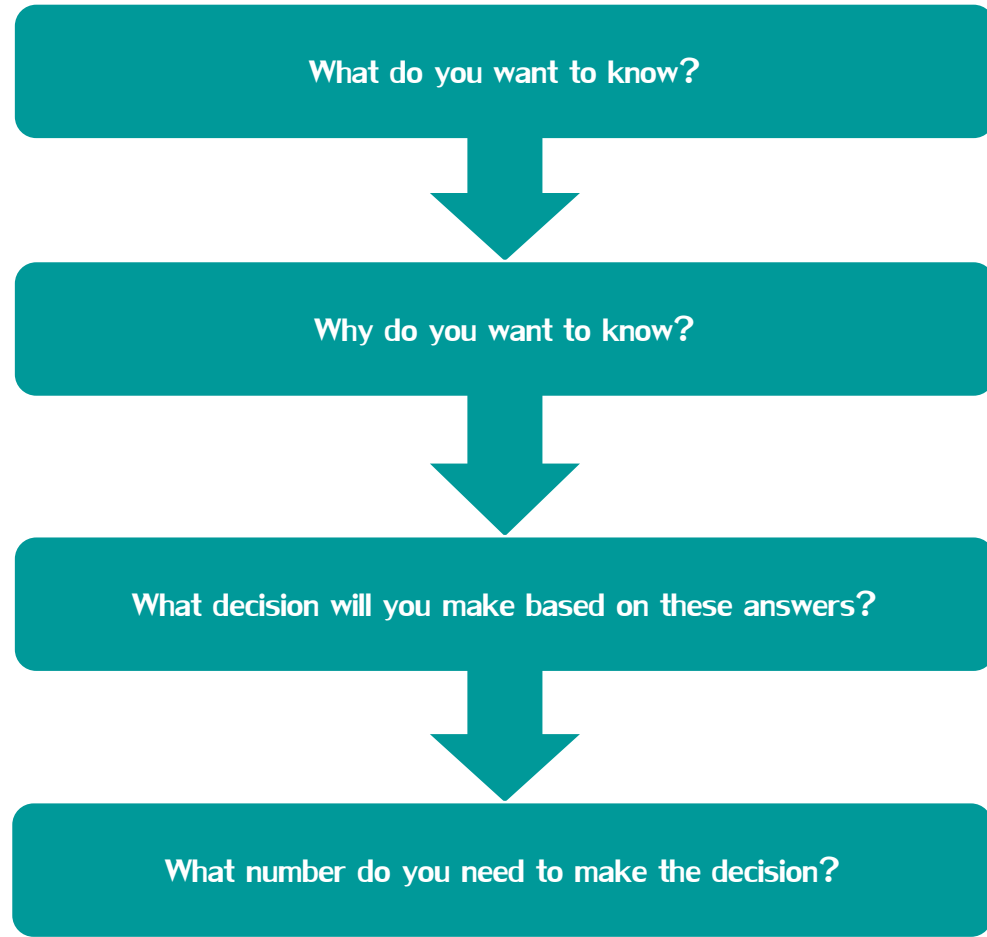
Questions you need answers to

The error to avoid: Lack of validity, when the questions you ask don't match the goals

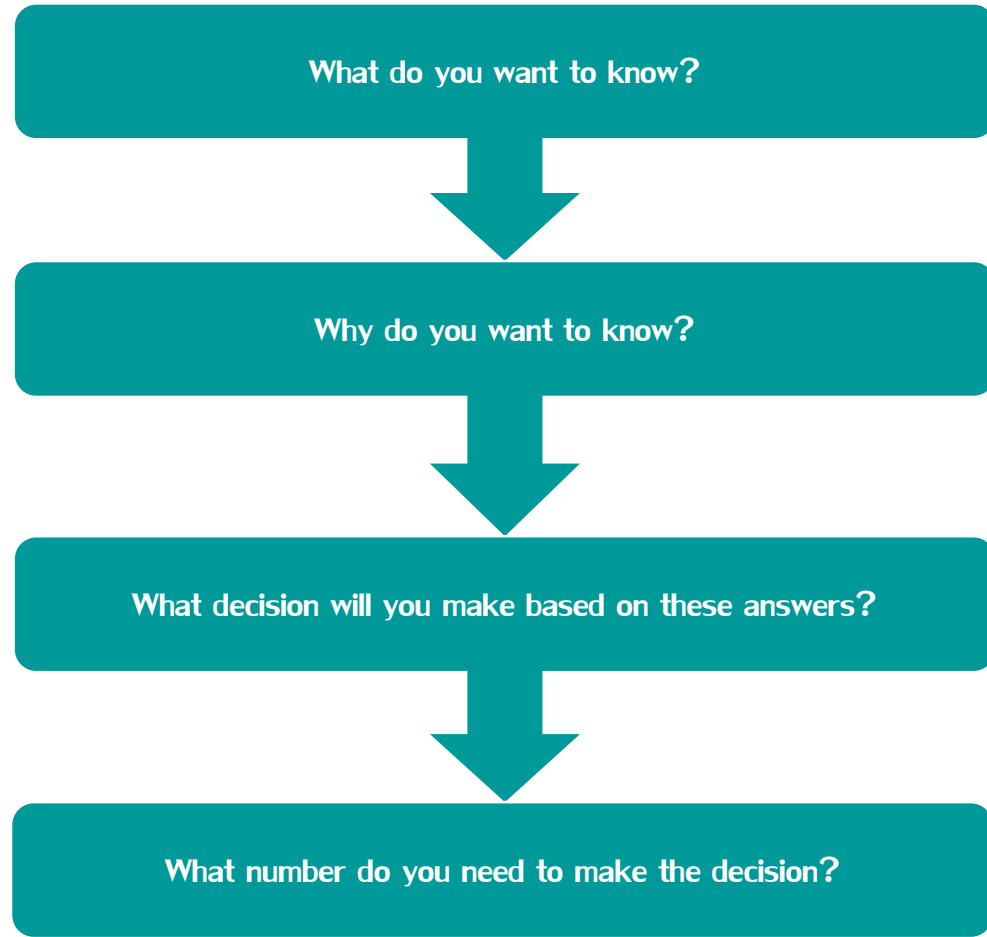
Lack of
validity



Establish the goals for your survey



For example, I was writing a blogpost



“Which topic is most interesting?”

“To write the most useful blog post”

“Pick one of the available topics”

“I’ll pick the topic with most votes”

This question inspired our example

Overall, how are you feeling at the moment?

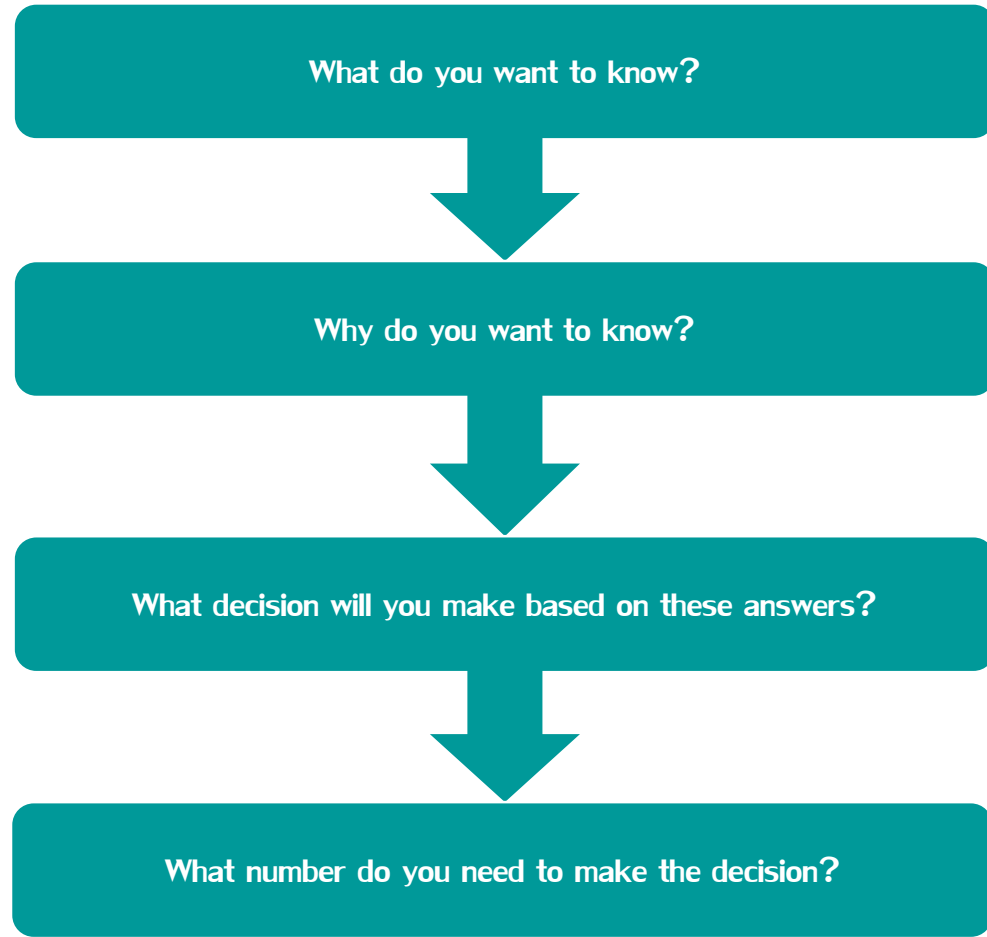
You can select up to 5 emotions

Please make sure you scroll down to see all the emotions you can choose from.

Acceptance	Admiration	Amusement	Confidence	Neutral	Anger	Boredom	Disappointment	Disgust
Desire	Excitement	Happiness	Inspiration		Dissatisfaction	Fear	Irritation	Offence
	Love	Pleasant surprise			Sadness	Unpleasant surprise		

CONTINUE

Here's an example of thinking about goals



“We want to know how our customers are feeling”

“We want to provide great telephone support”

“We will decide whether to replace the call centre staff with AI”

“If more than half are unhappy, we will change to AI”

Let's try to make some suggestions (10 minutes)

- Look for:

Focus your survey on a specific decision

- Get some ideas for starting a discussion about goals



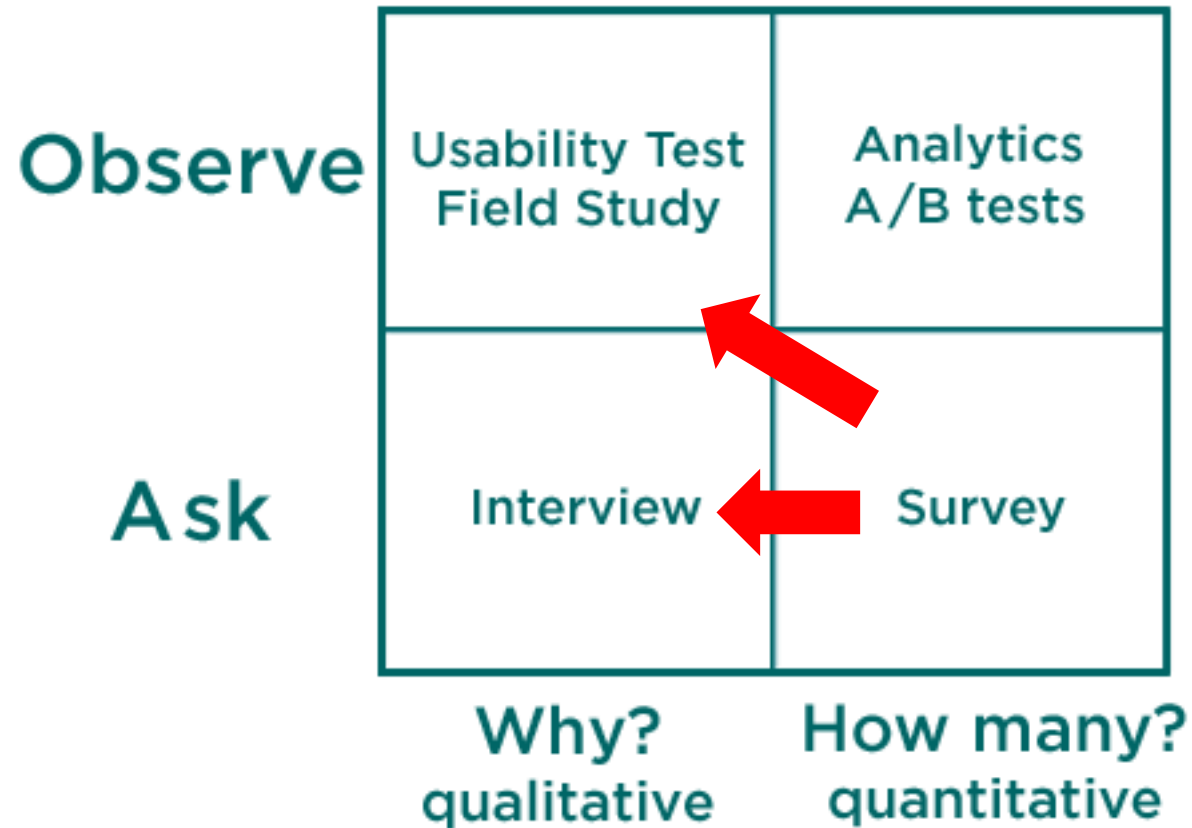
How was that for you?

- Why do you want to know?
- What decision will you make based on the answers?
- What number do you need make the decision?

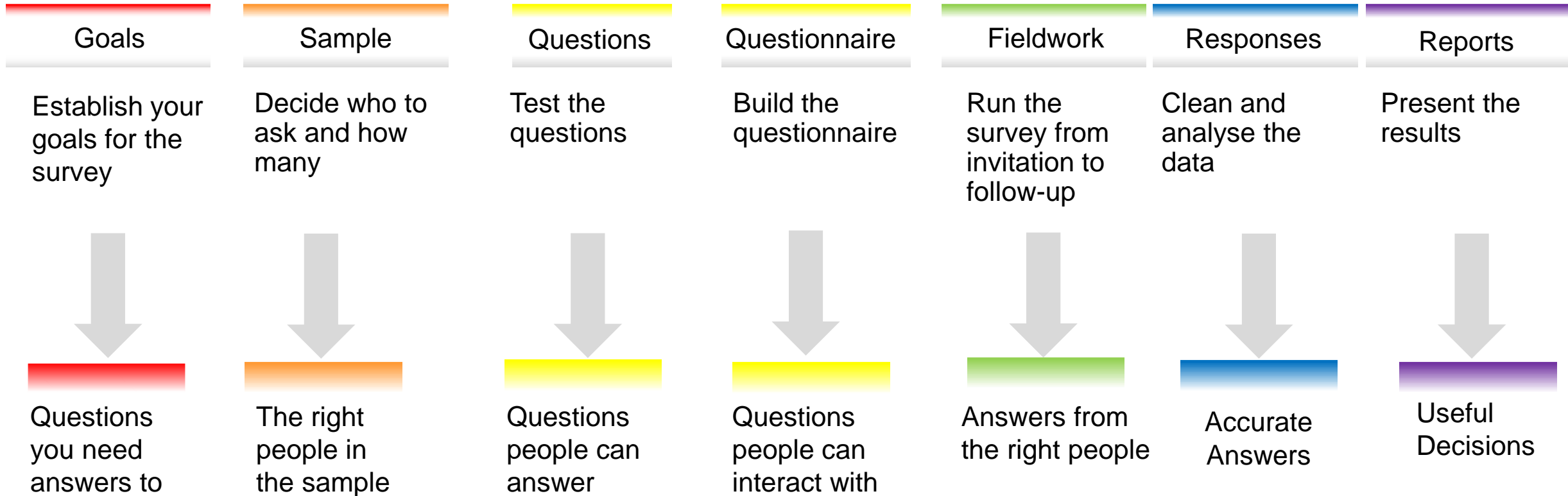
A survey is a quantitative method

Observe	Usability Test Field Study	Analytics A/B tests
Ask	Interview	Survey
	Why? qualitative	How many? quantitative

If you don't need a number yet, switch methods



Overall, we're aiming for useful decisions



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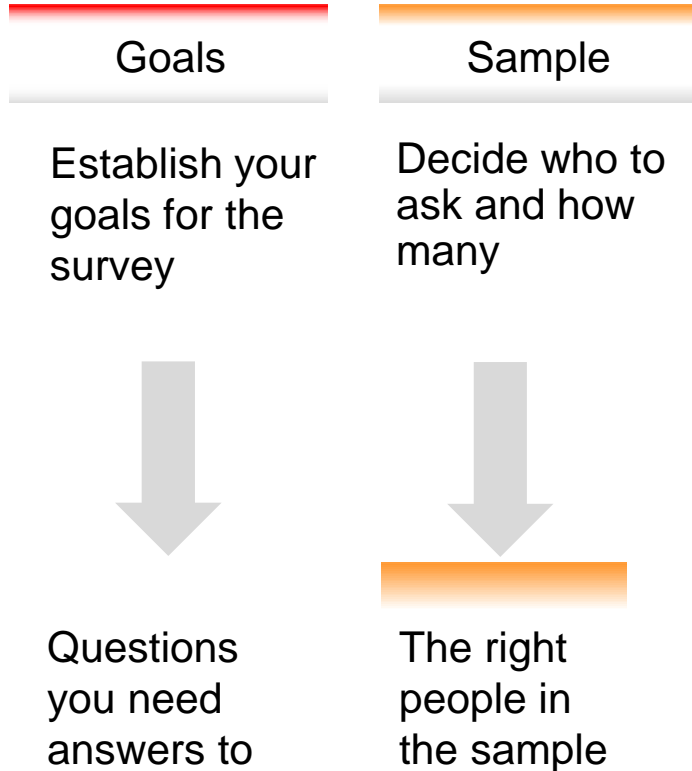
Responses: Lose your fear of open answers

Recap and retro

Sample

Write an invitation that makes people want to answer

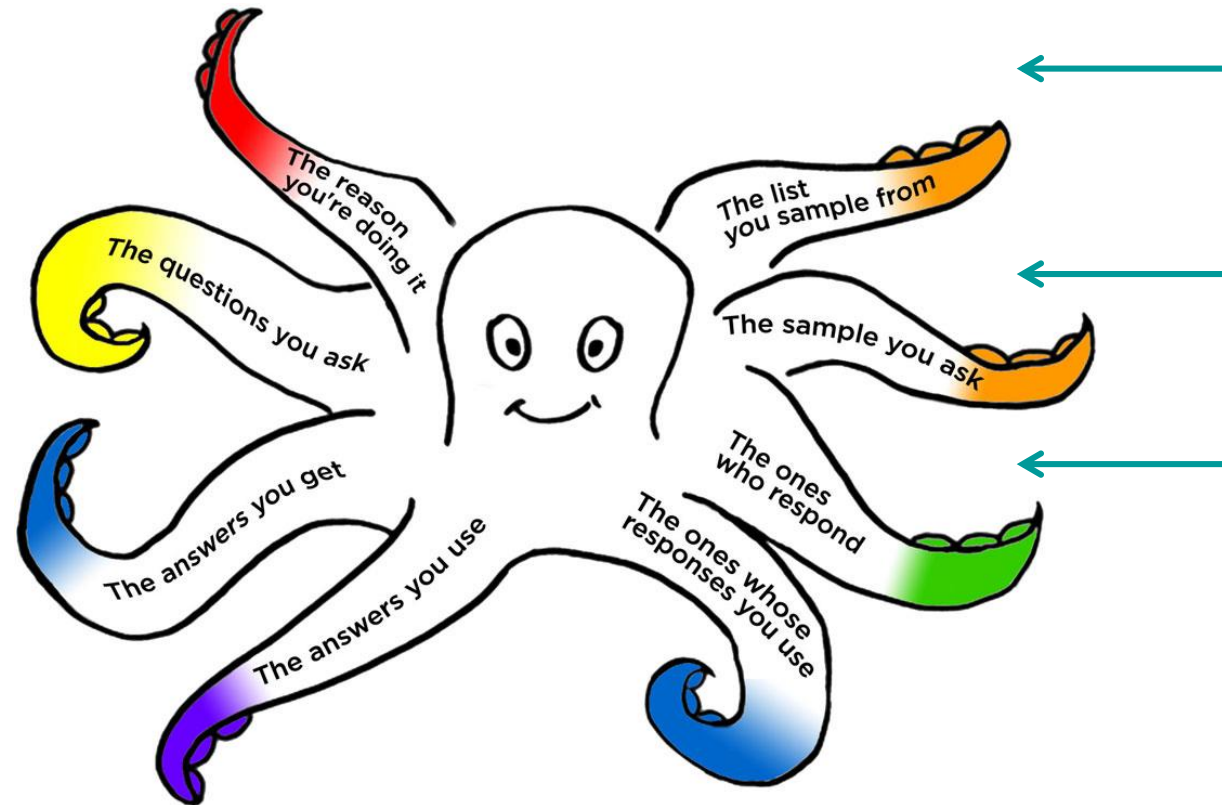
You get a better survey by doing many things well



There are three errors to look out for

Why you want ask

Who you want to ask



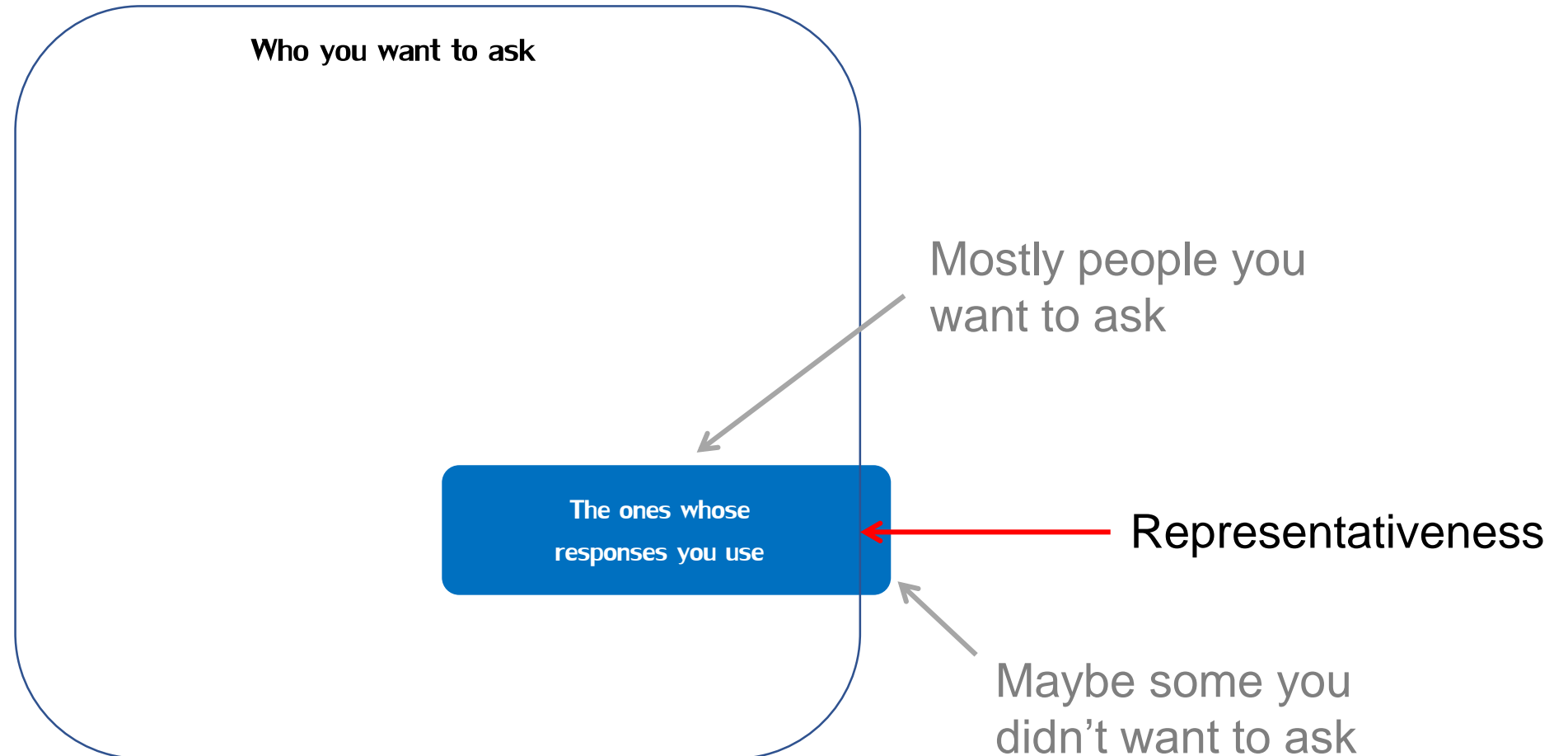
Coverage error

Sampling error

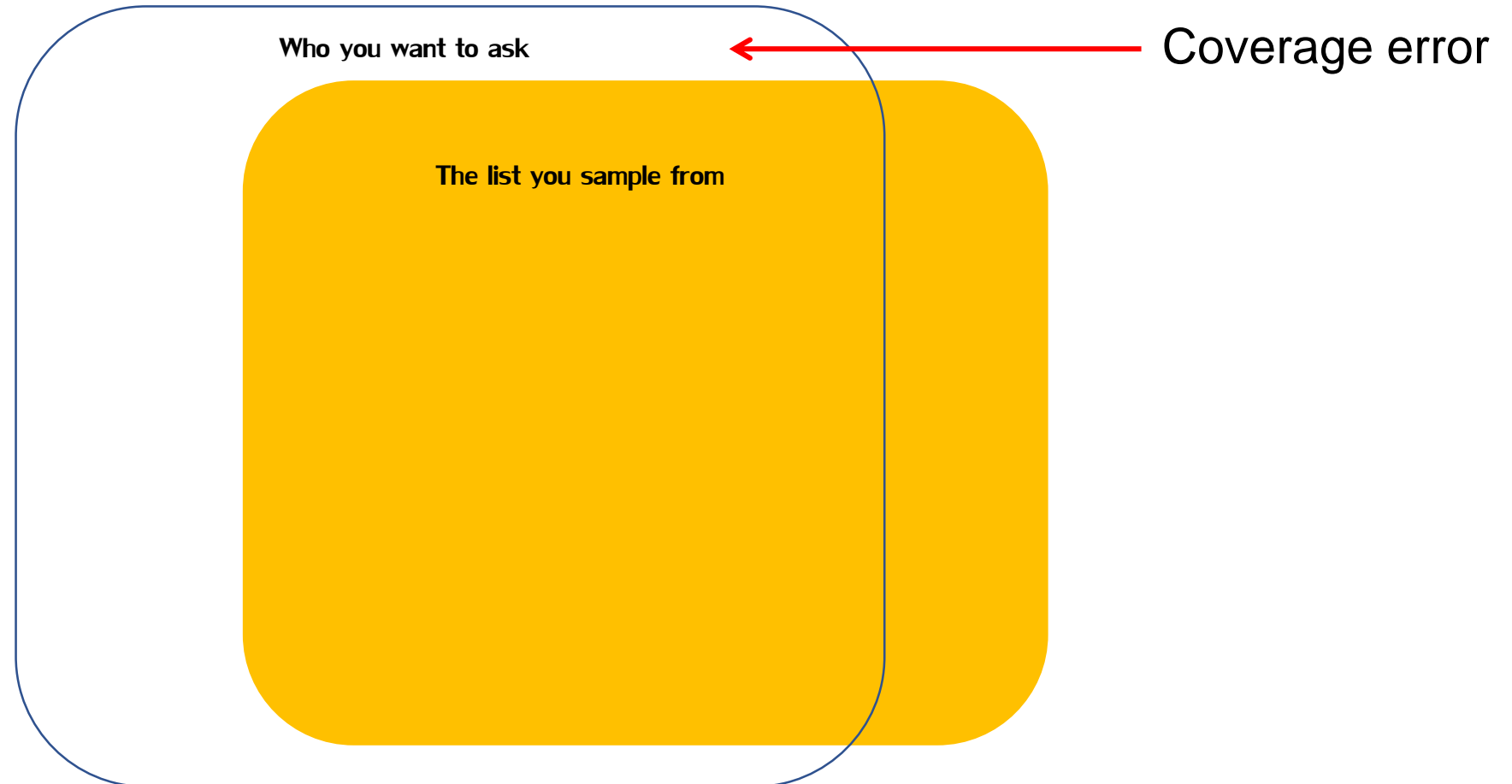
Non-response error

The number

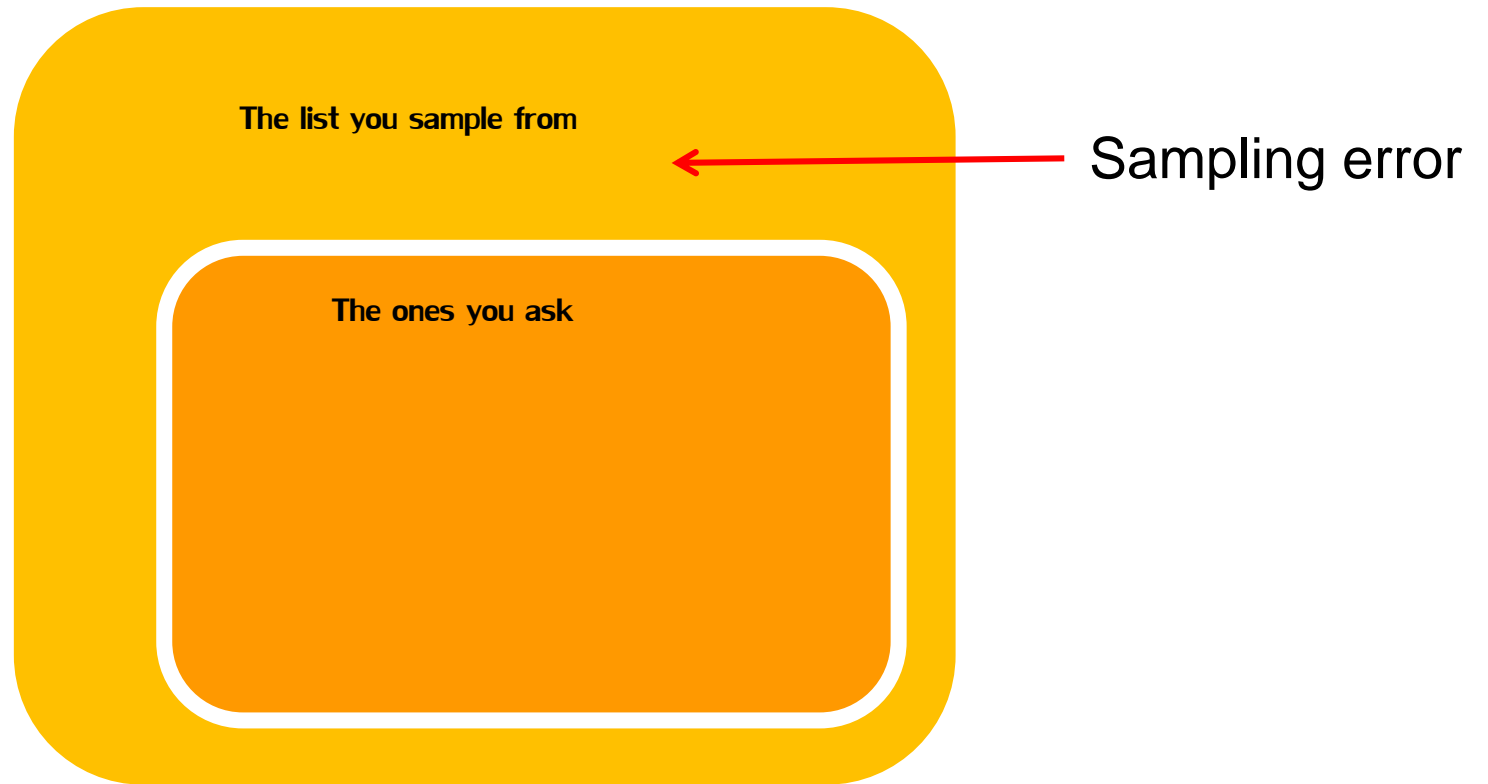
We want the final group to be representative



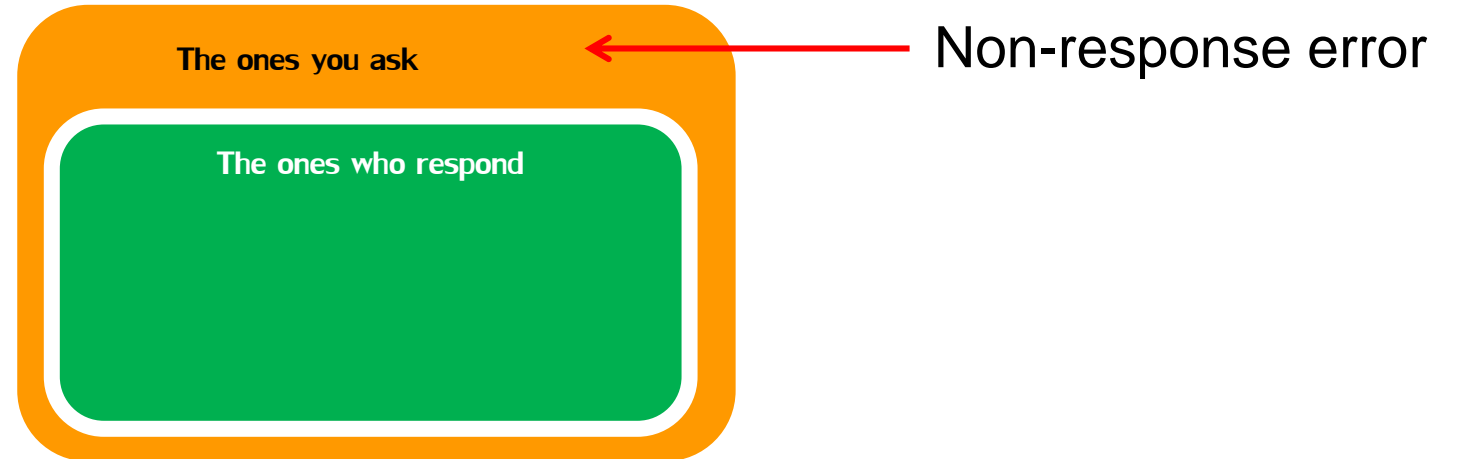
Coverage error happens when the list you sample from doesn't exactly match “who you want to ask”



Sampling error happens when you ask a sample

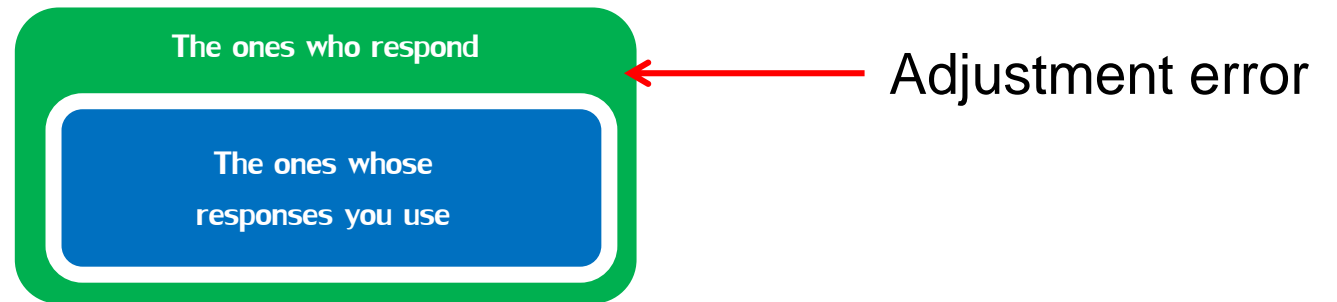


Non-response error happens when the ones who respond are different from the ones you ask in a way that affects the final number

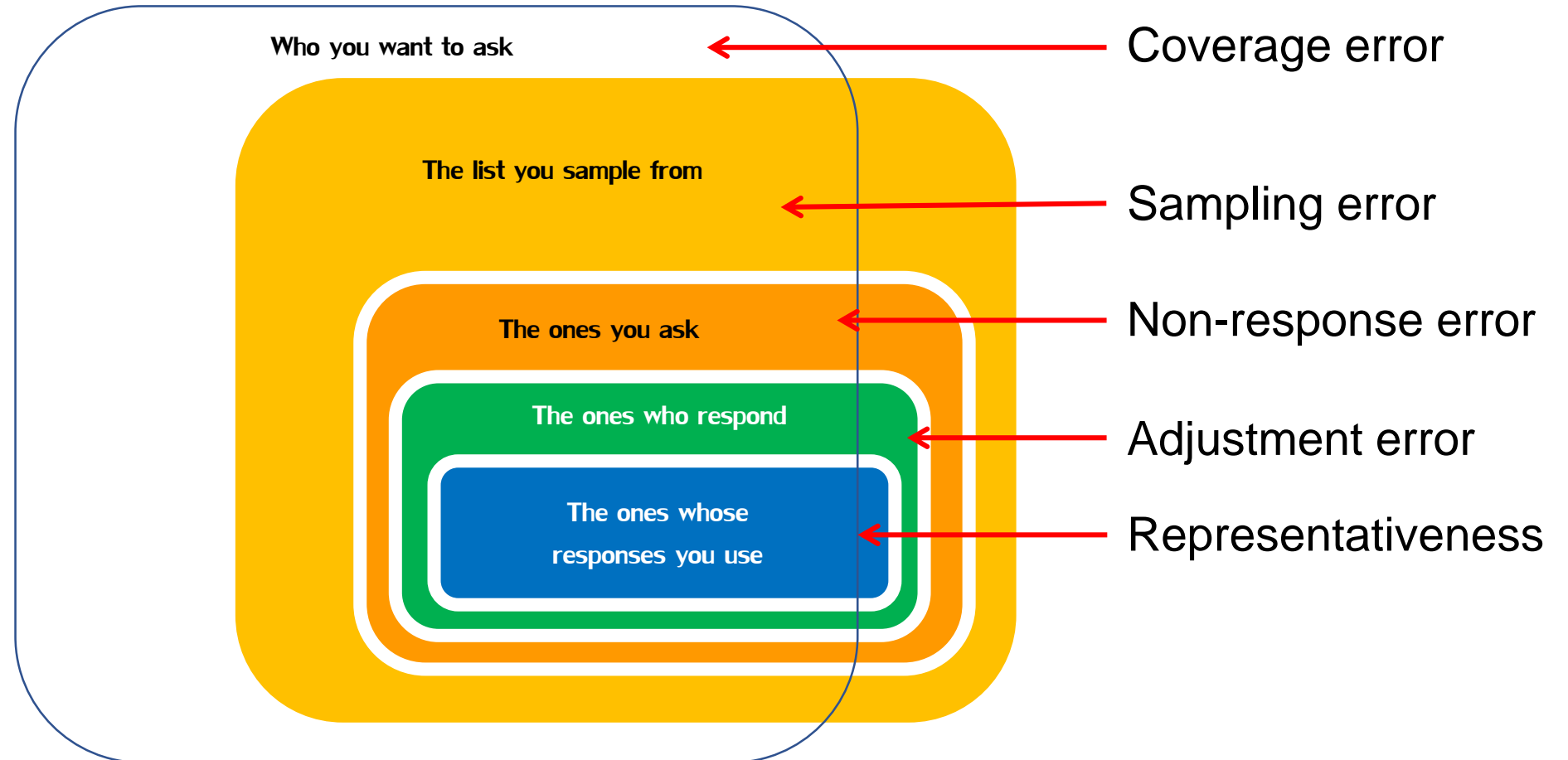


Adjustment error happens when the decisions you make about whose responses you use are not completely ideal*

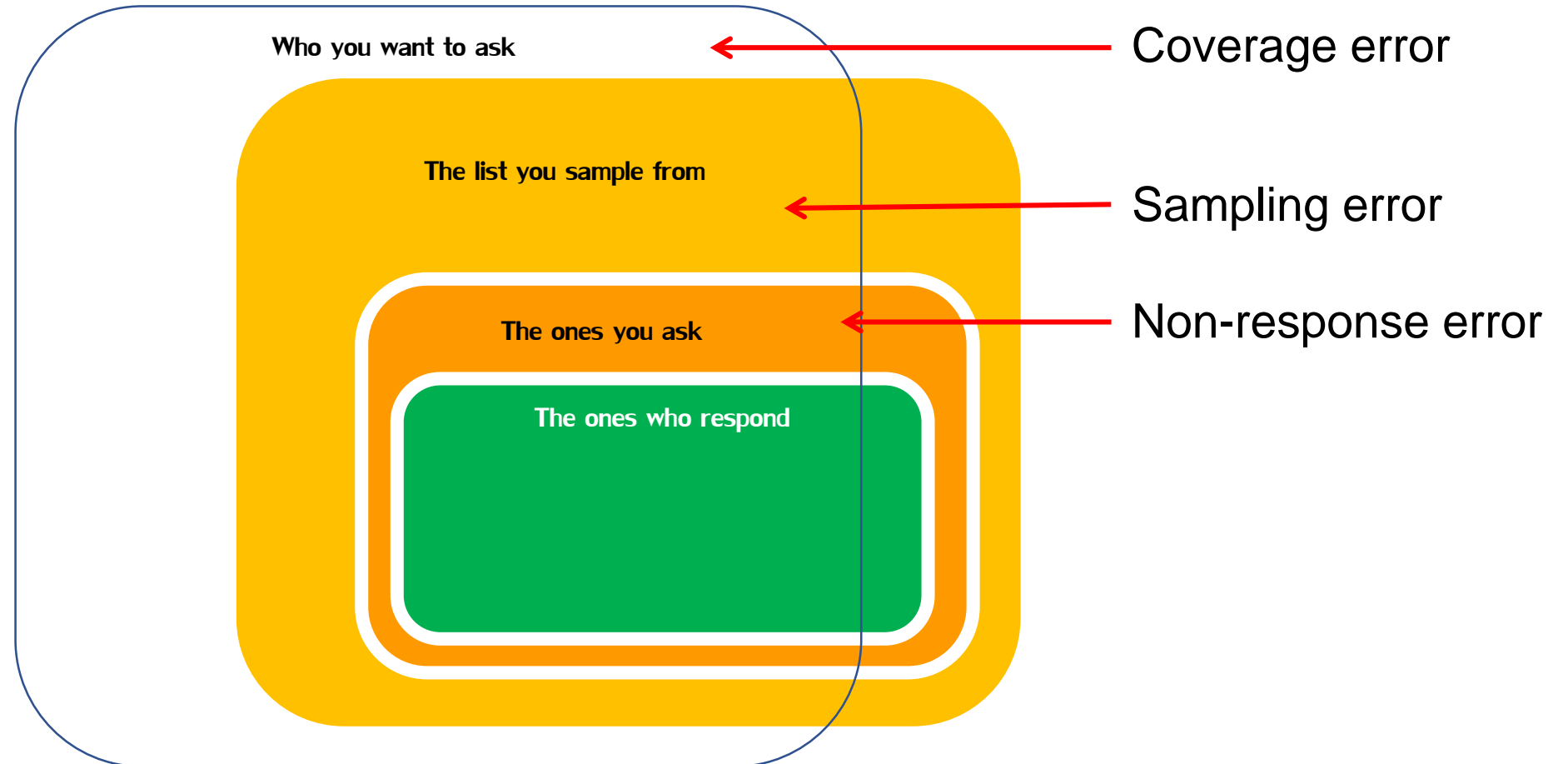
*usually you'll be OK on this, it's not an error I worry about too much in practice



We don't get exactly the respondents we want



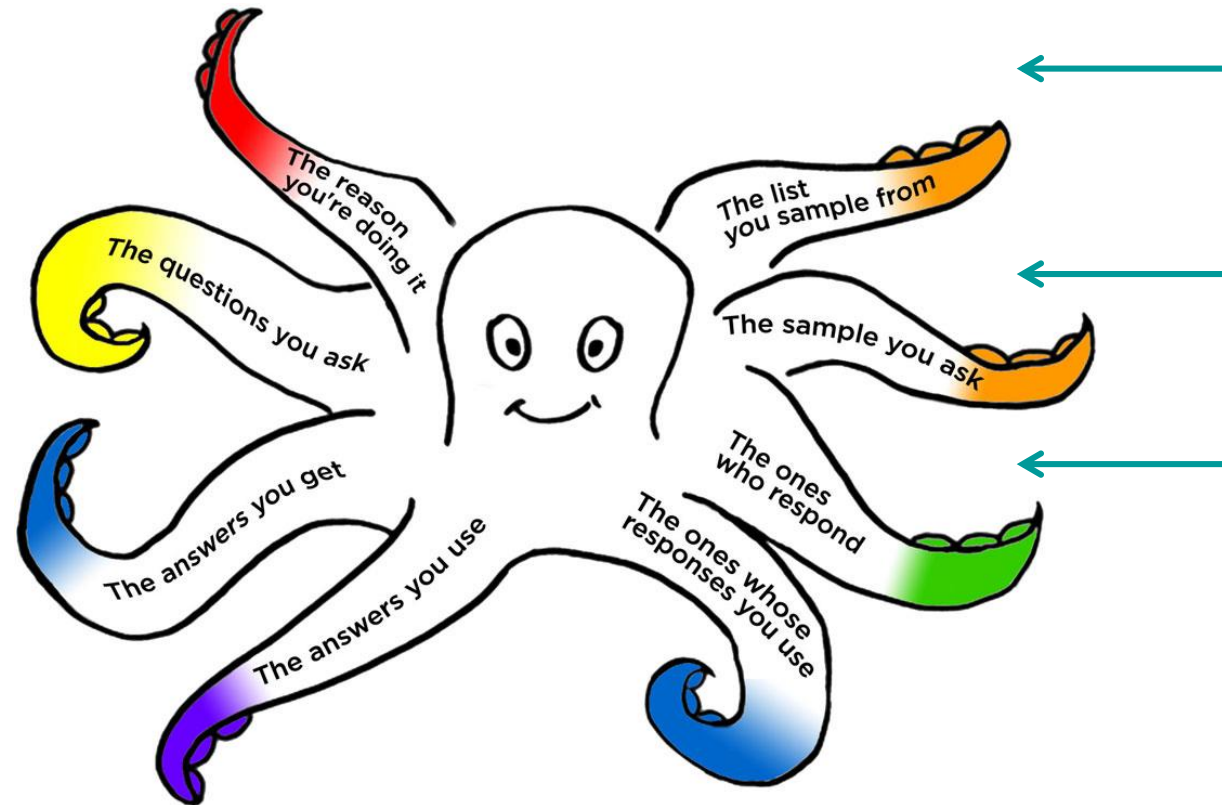
Sampling is when we worry about three errors



Or, here they are with the Survey Octopus

Why you want ask

Who you want to ask



Coverage error

Sampling error

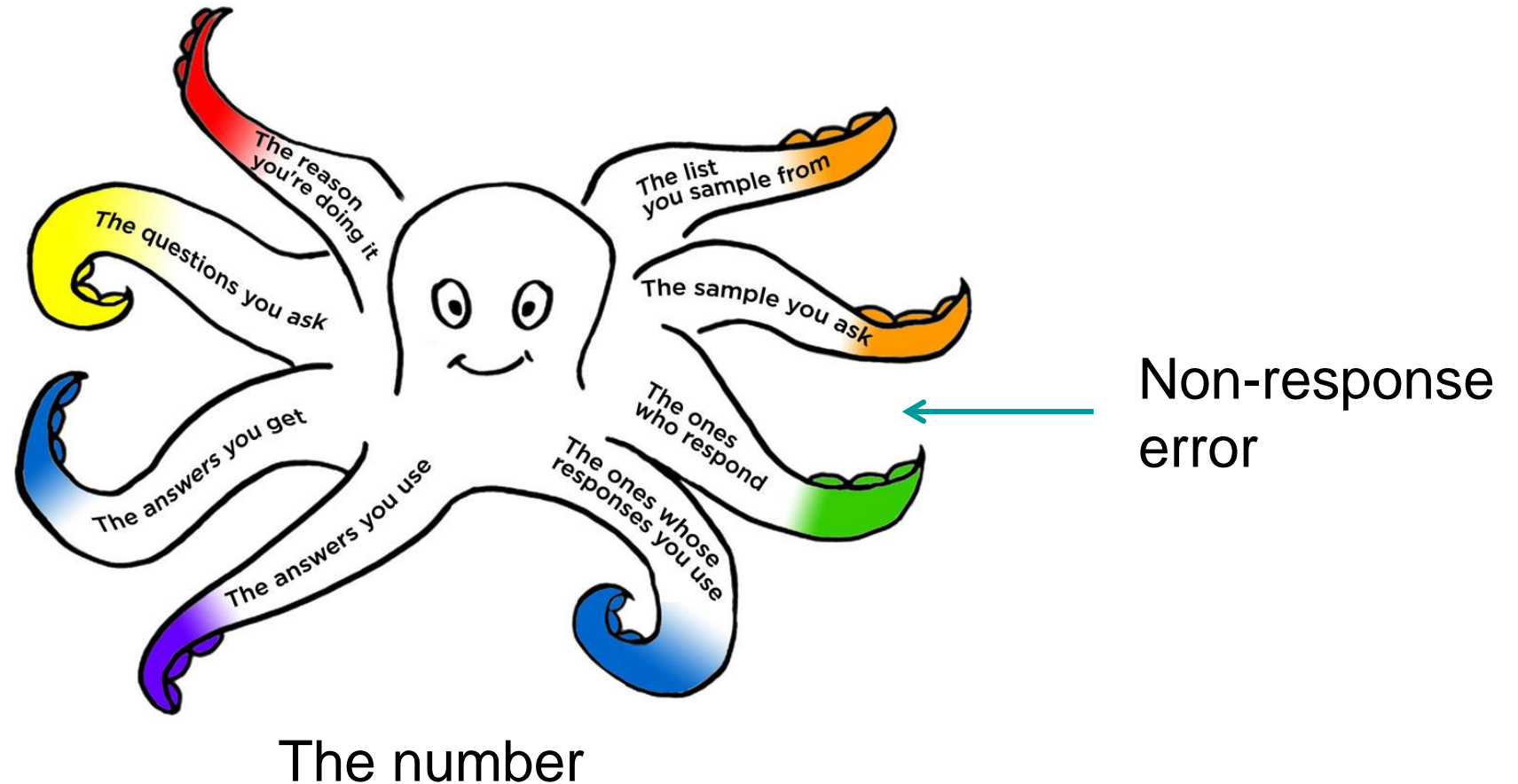
Non-response error

The number

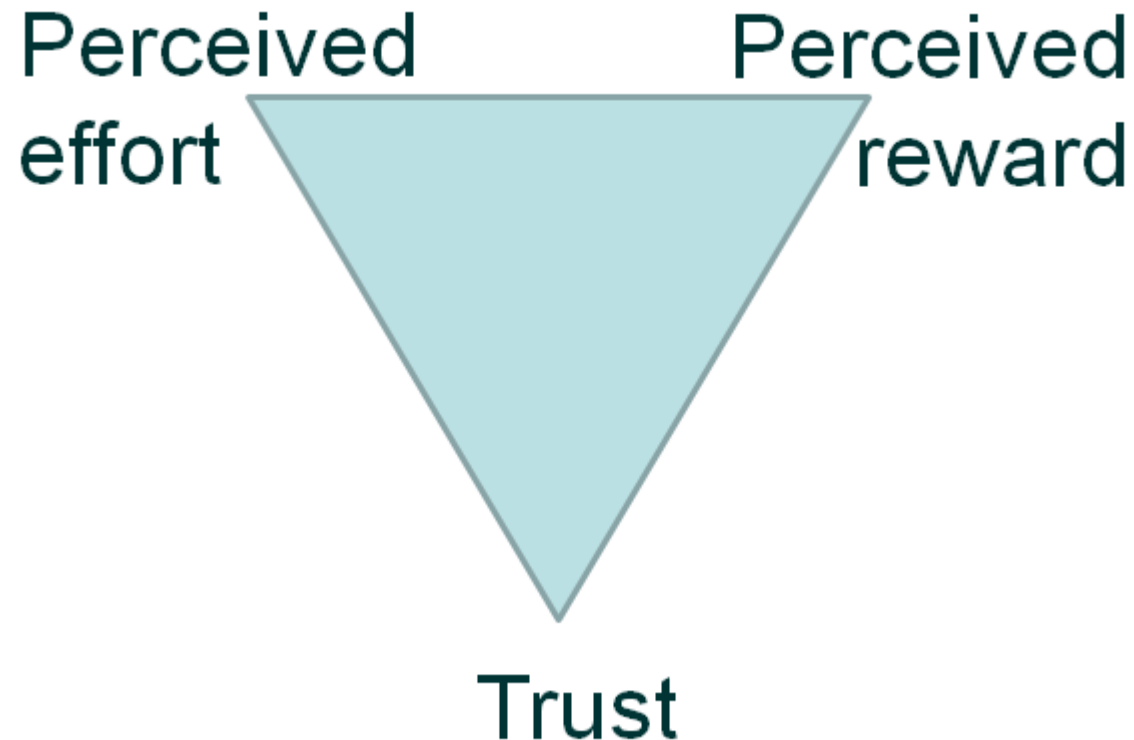
Today we're focusing on non-response error

Why you want ask

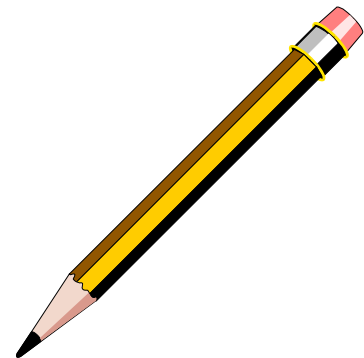
Who you want to ask



Response depends on effort, reward and trust



Would you respond to this invitation?




I got this invitation.

It changed when
I downloaded
pictures.

Dear Epson Customer, review your Epson Stylus Office BX625FWD

Epson UK <epsonnewsletter@info.epson-europe.com>

 Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

Sent: Fri 14/10/2011 09:29

To: caroline.jarrett@effortmark.co.uk



If you're having trouble viewing this email please [click here](#)



Right-click here to download pictures. To help protect your privacy, Outlook prevented automatic download of this picture from the Internet.

EPSON - EXCEED YOUR VISION



Right-click here to download pictures. To help protect your privacy, Outlook prevented automatic download of this picture from the Internet.

REVIEW YOUR Epson Stylus Office BX625FWD



Right-click here to download pictures. To help protect your privacy, Outlook prevented automatic download of this picture...

Dear Epson customer,

Thank you for choosing an Epson Stylus



Right-click here to download pictures. To help protect your privacy, Outlook prevented automatic download of this picture from the Internet.
Epson Stylus Office BX625FWD

I think the pictures
have a few hints
about the response
they want

If you're having trouble viewing this email please [click here](#)



EPSON
EXCEED YOUR VISION

★ ★ ★ ★ ★

**REVIEW YOUR
EPSON STYLUS OFFICE
BX625FWD**

Dear Epson customer,

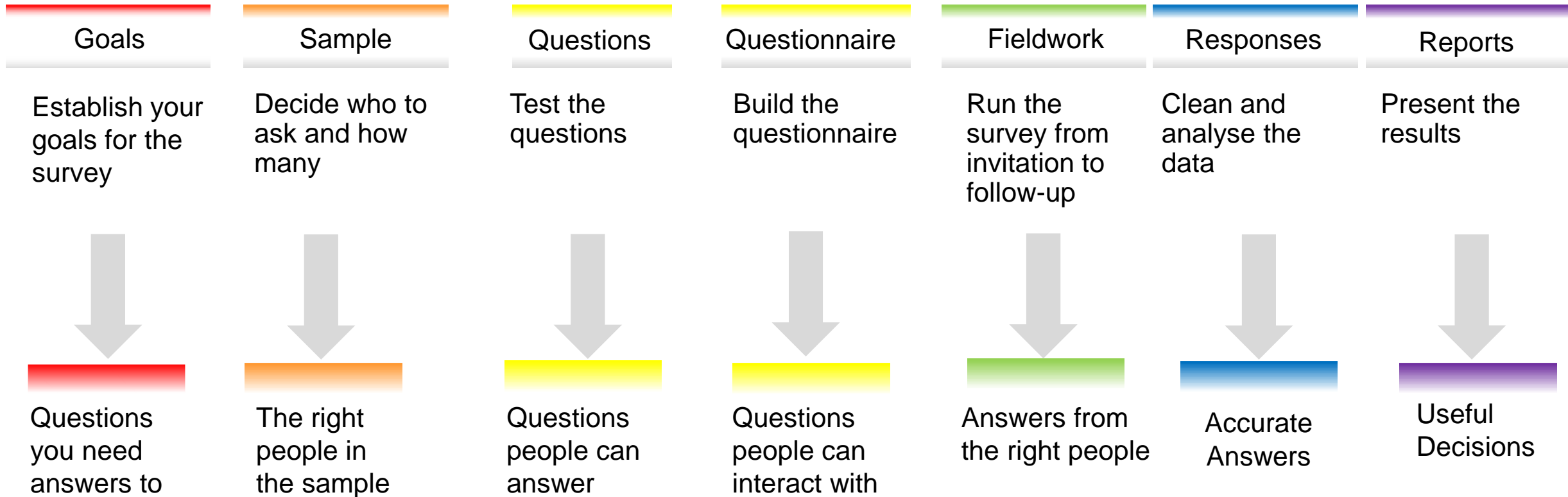
Thank you for choosing an Epson Stylus Office BX625FWD. We'd like to hear about your experience – please tell us what you think.

Your opinion is valuable to us, and will help us develop products that best meet your needs. [Your review](#) will also help others to choose the right product.

[WRITE YOUR REVIEW](#)

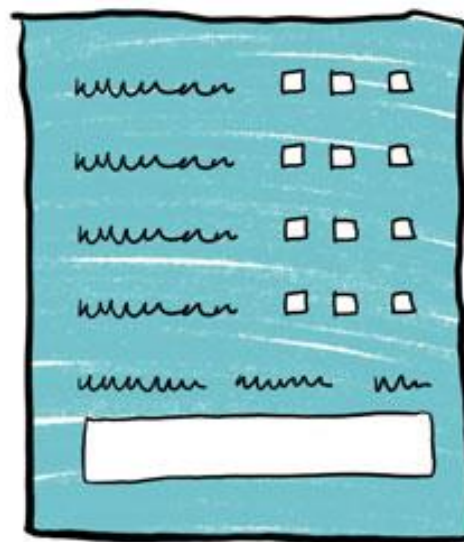
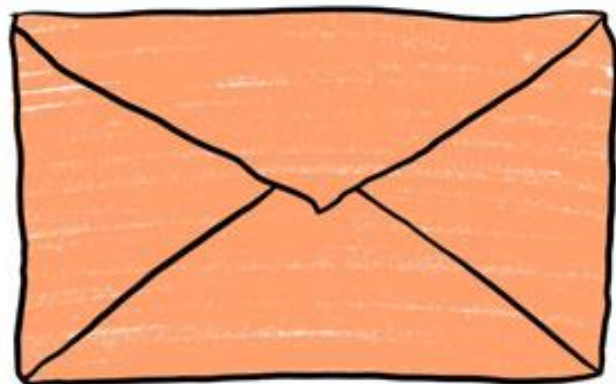


Typically, I think of invitations in 'Fieldwork'



Create the right context for your questionnaire

YOUR INVITATION



FOR GOOD
KARMA

IS AS IMPORTANT

AS YOUR QUESTIONNAIRE

A good invitation creates trust

- Consider whether your branding could sway the response
 - Are you a brand that has a high profile?
 - Are you likely to be known to the person who answers?
 - Can you get sponsorship from a trusted person or organisation?
- Say who you are
- Say why you've contacted this person specifically
- Explain:
 - Your privacy policy
 - Your approach to anonymity and confidentiality

A good invitation explains the effort

- Outline the topic of the survey
- Say when the survey will close
- Consider saying how many questions there are
- Do NOT say how long it will take
 - unless you have tested the heck out of it and are extremely sure that you know the answer

A good invitation offers a perceived reward

- Explain the purpose of the survey
- Explain why this person's responses will help
- If there is an incentive, offer it
 - Incentives do not have to be financial
 - If the incentive is financial, make sure it is easy to get (otherwise you increase perceived effort)

Write the invitation and thank-you

- Hints:
 - Consider your privacy policy
 - Decide on your approach to anonymity and confidentiality
 - Explain the effort
 - Offer the reward
- Optional: add the thank-you
- 10 minutes



How was that?

- Any thoughts?

Break

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- ✓ Introduction and definitions
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- ✓ Sample: Write an invitation that makes people want to answer

Questions: Ditch the rating scales

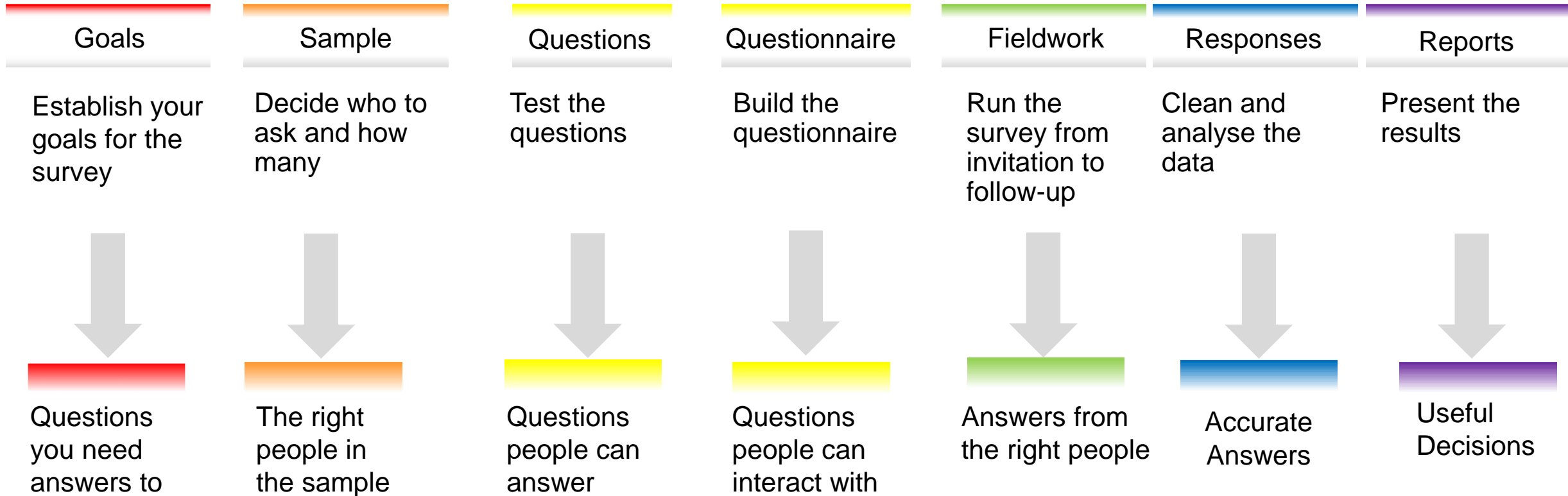
Responses: Lose your fear of open answers

Recap and retro

Questions

Ditch the rating scales

You get a better survey by doing many things well

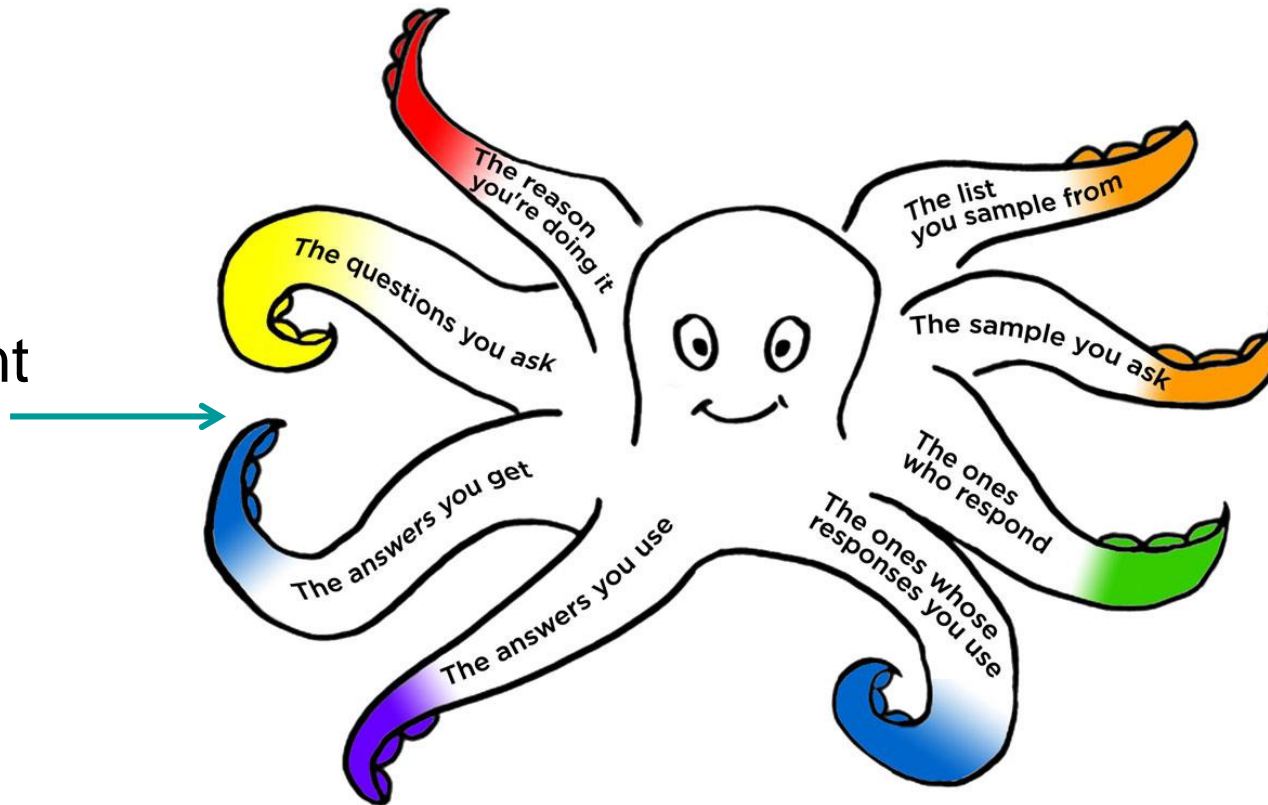


Bad questions create measurement error

Why you want ask

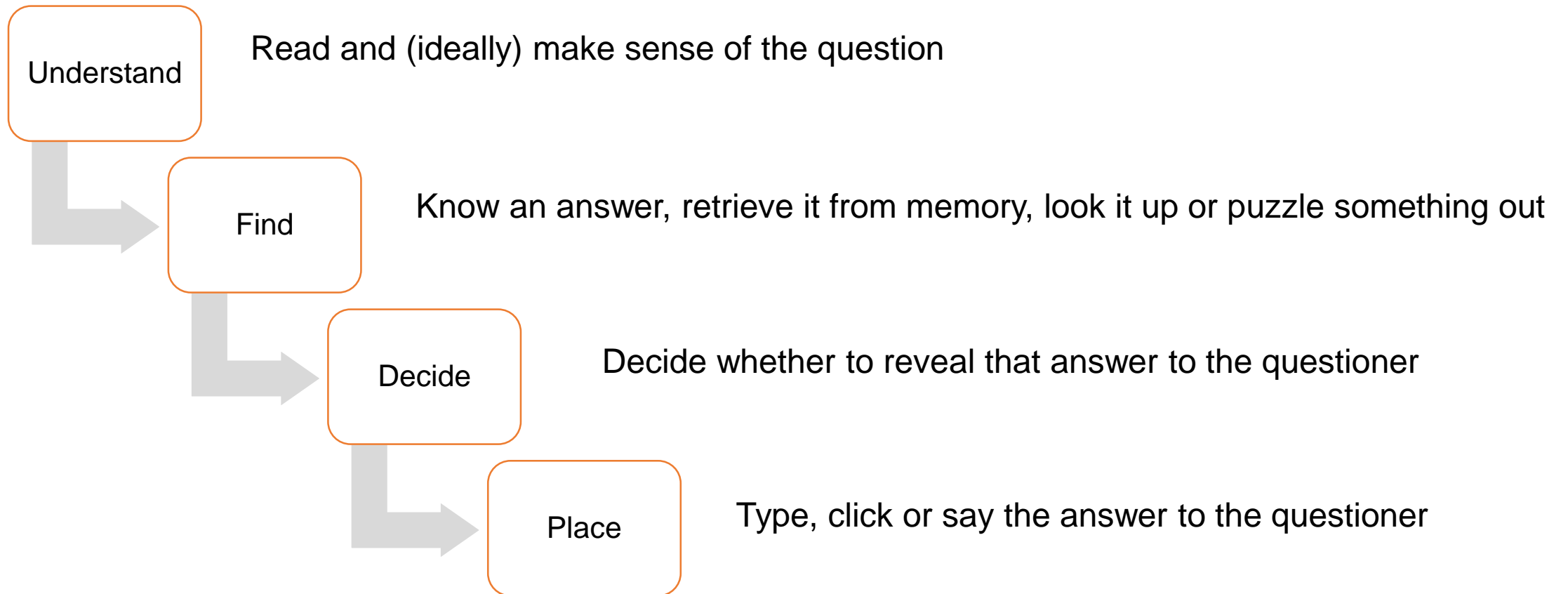
Who you want to ask

Measurement error



The number

There are four steps to answer a question



A good question is good in four ways

Step	A good question ...
1. Read and understand	is legible and makes sense
2. Find an answer	asks for an answer that we know or can find easily
3. Decide on the answer	asks for an answer that we're happy to reveal
4. Place the answer	offers an appropriate space for the answer

Four step examples: 1: read and understand

Sometimes we look for people who work in particular industries. Do you work in any of the following?



Please select all that apply.

<input type="checkbox"/> Automotive	<input type="checkbox"/> Banking
<input type="checkbox"/> Education	<input type="checkbox"/> Health Care
<input type="checkbox"/> Journalism	<input type="checkbox"/> Market Research
<input type="checkbox"/> Marketing / PR / Advertising	<input type="checkbox"/> Not for Profit / Charity
<input type="checkbox"/> Retail	<input type="checkbox"/> Science
<input type="radio"/> None of the above	

Next

Four step examples: 1: read and understand

Are you...?
Please select one response only.

Four step examples: 2: find the answer

Question 25

In your **last five days at work**, what percentage of your work time do you estimate that you spent using publicly-available online services (not including email, instant messaging, and search) to do your work using a work computer or other device?

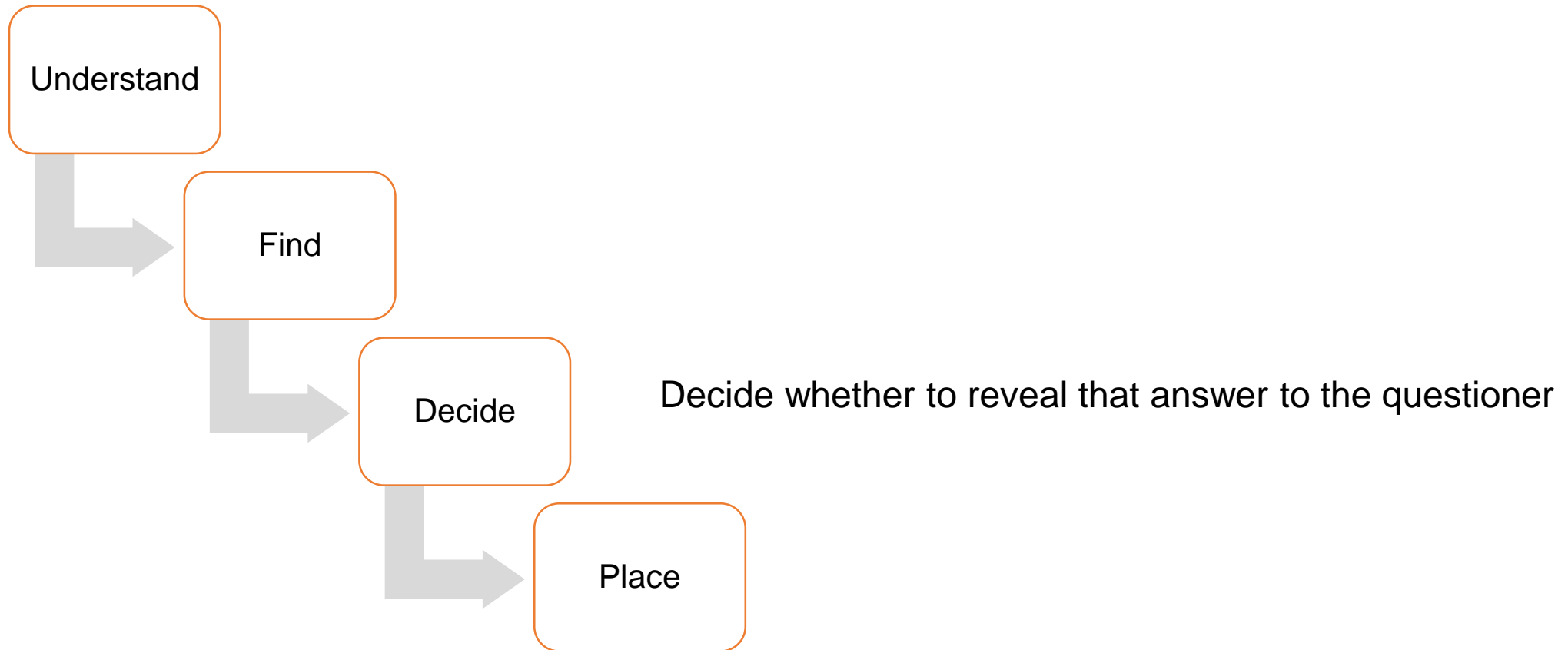
Do you say your name differently?

“What is your name?”

- In a formal context – applying for a job
- In a social context – meeting the friend of a friend
- On the phone – getting a delivery sorted out



The ‘Decide’ step is about being appropriate

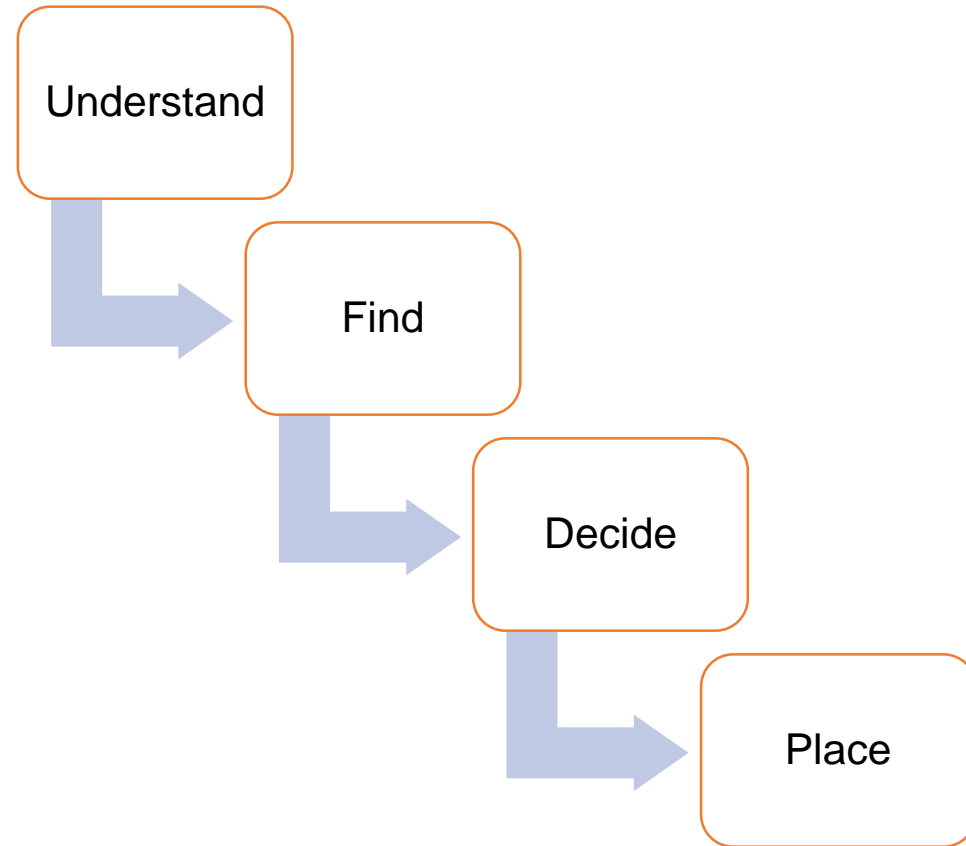


Four step examples: 3: decide on the answer

*** 11. I think it is safe to challenge the way things are done in ████████**

- Strongly agree
- Agree
- Neither
- Disagree
- Strongly disagree

We've looked at four separate steps



A good question is good in four ways

Step	A good question ...
1. Read and understand	is legible and makes sense
2. Find an answer	asks for an answer that we know or can find easily
3. Decide on the answer	asks for an answer that we're happy to reveal
4. Place the answer	offers an appropriate space for the answer

A good question is good in ~~four~~ five ways

Step	A good question ...
1. Read and understand	is legible and makes sense
2. Find an answer	asks for an answer that we know or can find easily
3. Decide on the answer	asks for an answer that we're happy to reveal
4. Place the answer	offers an appropriate space for the answers
5. Relates to the goals	asks for an answer that is relevant for the decision

Let's try an example.

- Think of a time you stayed at a hotel
- What ONE thing would have created a better experience?

Thank you for being our guest

Thanks to feedback from guests like you, we can give you an even better experience next time!





Can you place that answer on this questionnaire?

Thank you for being our guest

Thanks to feedback from guests like you, we can give you an even better experience next time!



On a scale of 0 to 10, what is the likelihood that you would recommend us to friends and family?

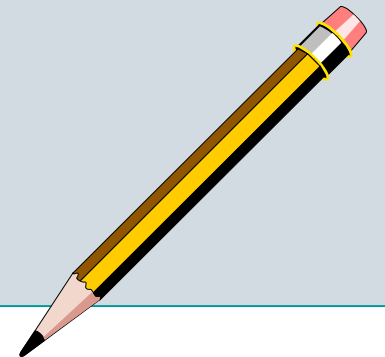
 0 1 2 3 4 5 6 7 8 9 10 

Not likely at all Very Likely

How would you rate the following Areas:

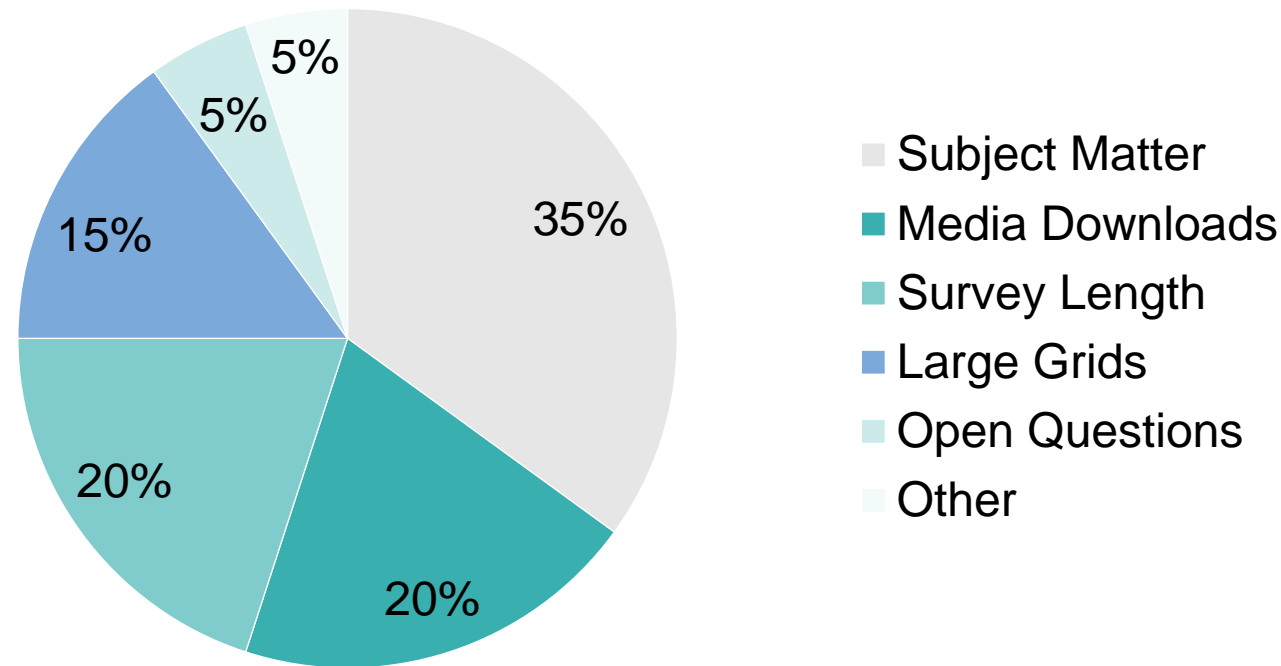
1 = poor, 5 = excellent. Please select N/A if you didn't use this facility

	 1	2	3	4	 5	N/A
Reservation Experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arrival Experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Grids are a major cause of survey drop-out

Total incompletes across the 'main' section of the questionnaire
(after the introduction stage)



Source: Database of 3 million+ web surveys conducted by Lightspeed Research/Kantar
From Coombe, R., Jarrett, C. and Johnson, A. (2010) "Usability testing of market research surveys" ESRA Lausanne

A Likert scale has several Likert items

Likert scale

Statement

System Usability Scale

© Digital Equipment Corporation, 1986.

	Strongly disagree				Strongly agree
1. I think that I would like to use this system frequently	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
2. I found the system unnecessarily complex	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
3. I thought the system was easy to use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
4. I think that I would need the support of a technical person to be able to use this system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
5. I found the various functions in this system were well integrated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
6. I thought there was too much inconsistency in this system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
7. I would imagine that most people would learn to use this system very quickly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
8. I found the system very cumbersome to use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
9. I felt very confident using the system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5
10. I needed to learn a lot of things before I could get going with this system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	2	3	4	5

Likert item

Response points

Likert had three formats in his scales

1. Do you favor the early entrance of the United States into the League of Nations?

YES	?	NO
(4)	(3)	(2)

13. How much military training should we have?

- (a) We need universal compulsory military training. (1)
- (b) We need Citizens Military Training Camps and Reserve Officers Training Corps, but not universal military training. (2)
- (c) We need some facilities for training reserve officers but not as much as at present. (3)
- (d) We need only such military training as is required to maintain our regular army. (4)
- (e) All military training should be abolished. (5)

17. The United States, whether a member or not, should co-operate fully in the humanitarian and economic programs of the League of Nations.

Strongly Approve	Approve	Undecided	Disapprove	Strongly Disapprove
(5)	(4)	(3)	(2)	(1)

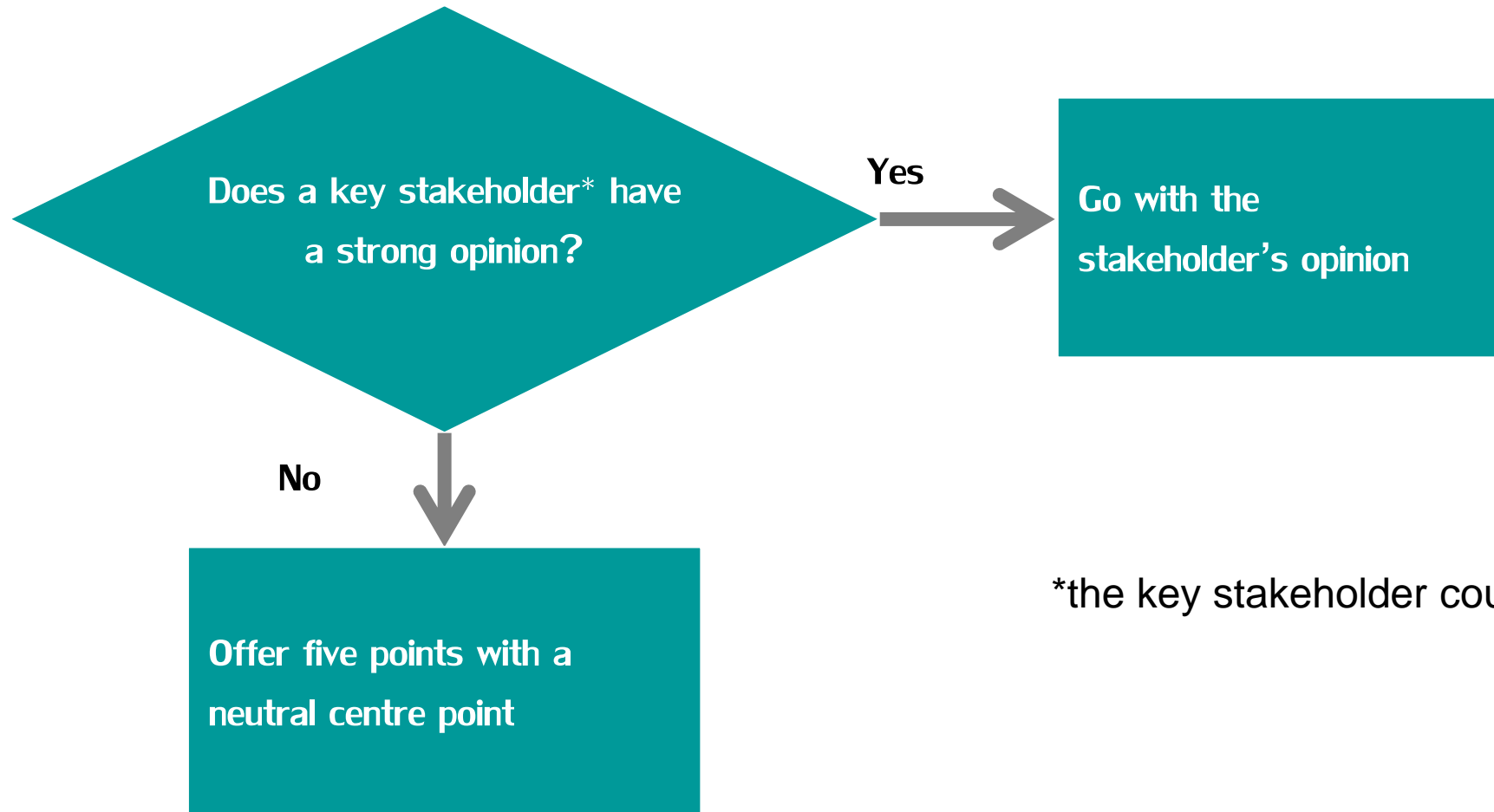
You can find an academic paper to support almost any number of response points

Krosnick and Presser refer to about 87 papers on response points

The image displays several examples of survey response scales:

- 7-point Likert scale:** A horizontal scale with seven points: Completely satisfied, Very satisfied, Quite satisfied, Neither satisfied nor dissatisfied, Quite dissatisfied, Very dissatisfied, and Completely dissatisfied. It is used for questions like "Your outward journey with easyJet" and "Your whole experience with easyJet on this latest occasion".
- True/False scale:** A horizontal scale with two points: True and False. It is used for statements like "I usually get what I want in life" and "I need to be kept informed about news events".
- 5-point Likert scale:** A horizontal scale with five points: Strongly Agree (5), Agree (4), Neither Agree nor Disagree (3), Disagree (2), and Strongly Disagree (1). It is used for the question "Overall, I was satisfied with my experience in Hayward Dining Room".
- Comparison scale:** A scale comparing "John Lewis" to other retailers. It has three points: "John Lewis is WORSE", "About the same", and "John Lewis is BETTER". It is used for the question "Please tell us how your experience at John Lewis compares to each of the other retailers you have visited?".
- 4-point Likert-type scale:** A horizontal scale with four points: Very Unimportant (1), 2, 3, and Very Important (4). It is used for the question "1: *Please rate how well the site is organized.".
- 10-point Likert-type scale:** A horizontal scale with ten points: 1=Poor, 2, 3, 4, 5, 6, 7, 8, 9, 10=Excellent, and Don't Know. It is used for the question "1: *Please rate how well the site is organized.".

I have a flowchart to help you to decide

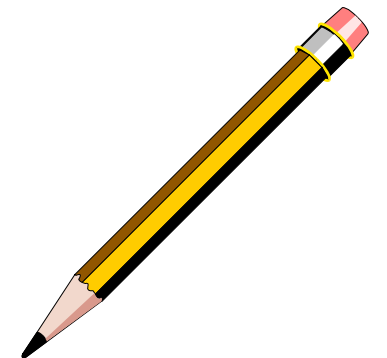


*the key stakeholder could be you

Let's have another look at a Likert question

1. Do you favor the early entrance of the United States into the League
of Nations?
YES ? NO
(4) (3) (2)

Do you favour the early entrance of the
United States into the League of Nations?



Takeaway

In a Likert item,
the statement matters
a lot more than
the number of points

This question is a sort of Likert item

Overall, how are you feeling at the moment?

You can select up to 5 emotions

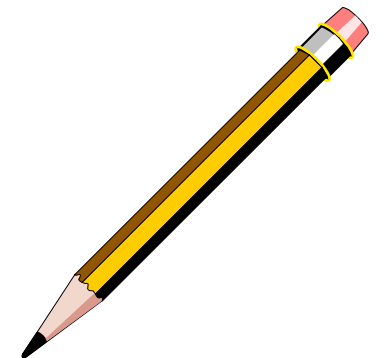
Please make sure you scroll down to see all the emotions you can choose from.

Acceptance	Admiration	Amusement	Confidence	Neutral	Anger	Boredom	Disappointment	Disgust
Desire	Excitement	Happiness	Inspiration		Dissatisfaction	Fear	Irritation	Offence
	Love	Pleasant surprise			Sadness	Unpleasant surprise		

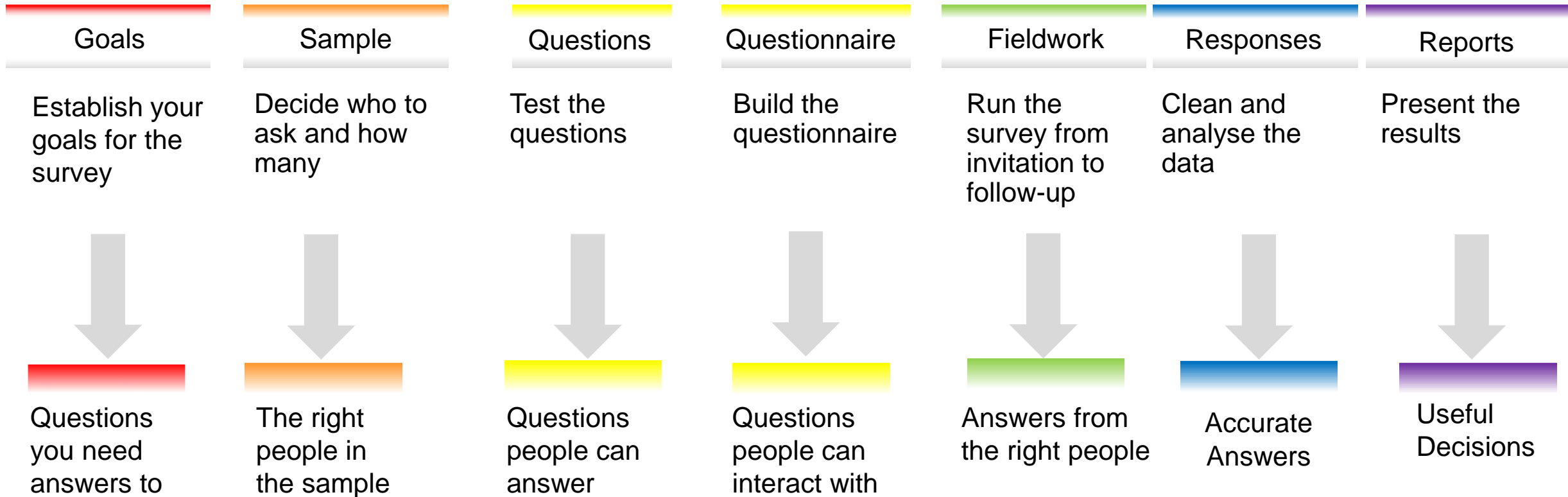
CONTINUE

Let's have another look at a Likert item

- The hotel wants to focus on “Reservation Experience”
- Write the questions to find out:
 - The guest’s feelings overall
 - Their experience with reservations
- Optional:
 - Think about whether we need any questions that will help the hotel to decide whether this person is representative of “who we want to ask”



You get a better survey by doing many things well



Today's agenda

- ✓ Introduction and definitions
- ✓ Goals: Focus your survey on a specific decision
- ✓ Sample: Write an invitation that makes people want to answer
- ✓ Questions: Ditch the rating scales

Responses: Lose your fear of open answers

Recap and retro

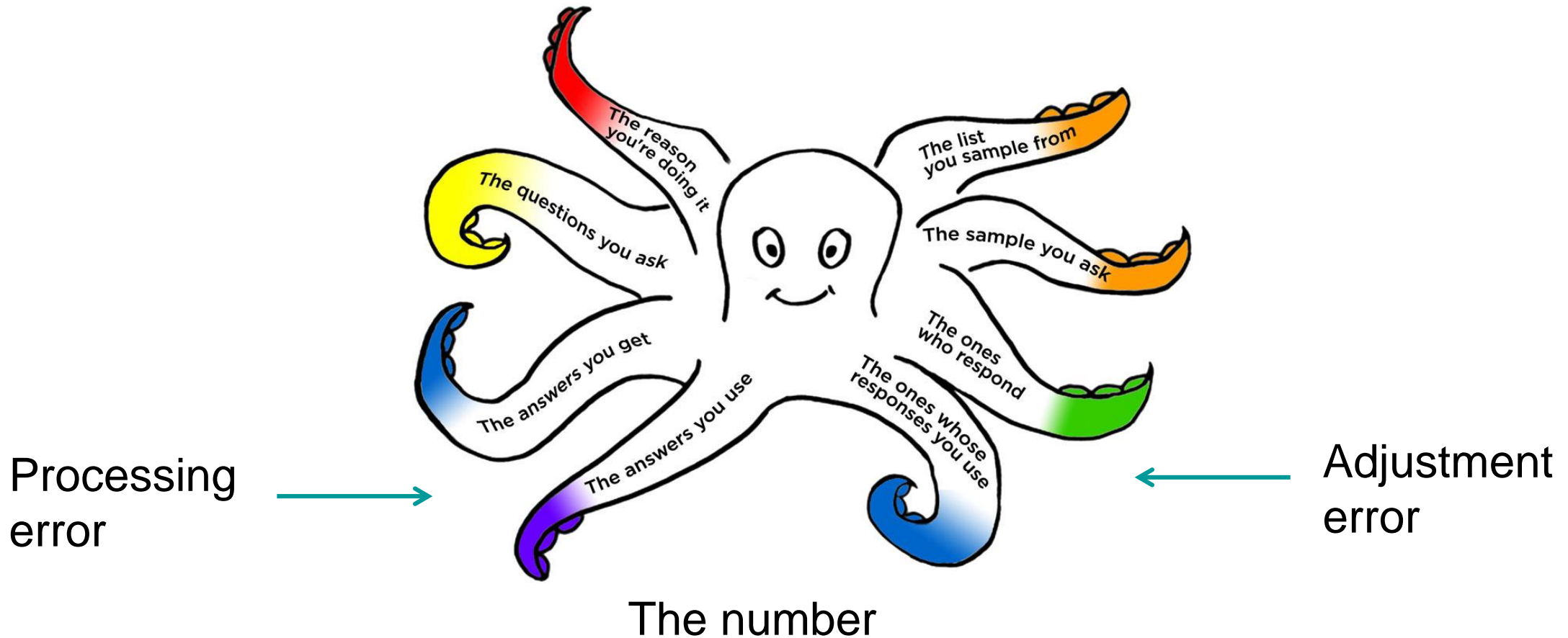
Responses

Lose your fear of open answers

There are two errors around responses

Why you want ask

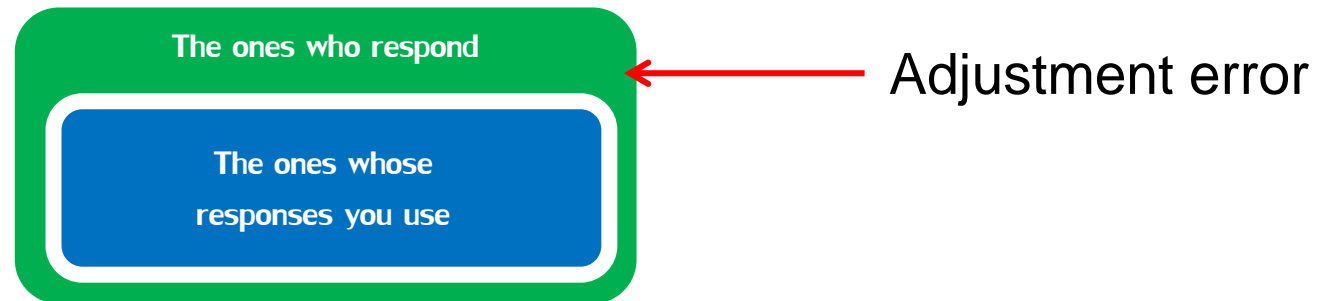
Who you want to ask



We met adjustment error before

Adjustment error happens when the decisions you make about whose responses you use are not completely ideal*

*usually you'll be OK on this, it's not an error I worry about too much in practice

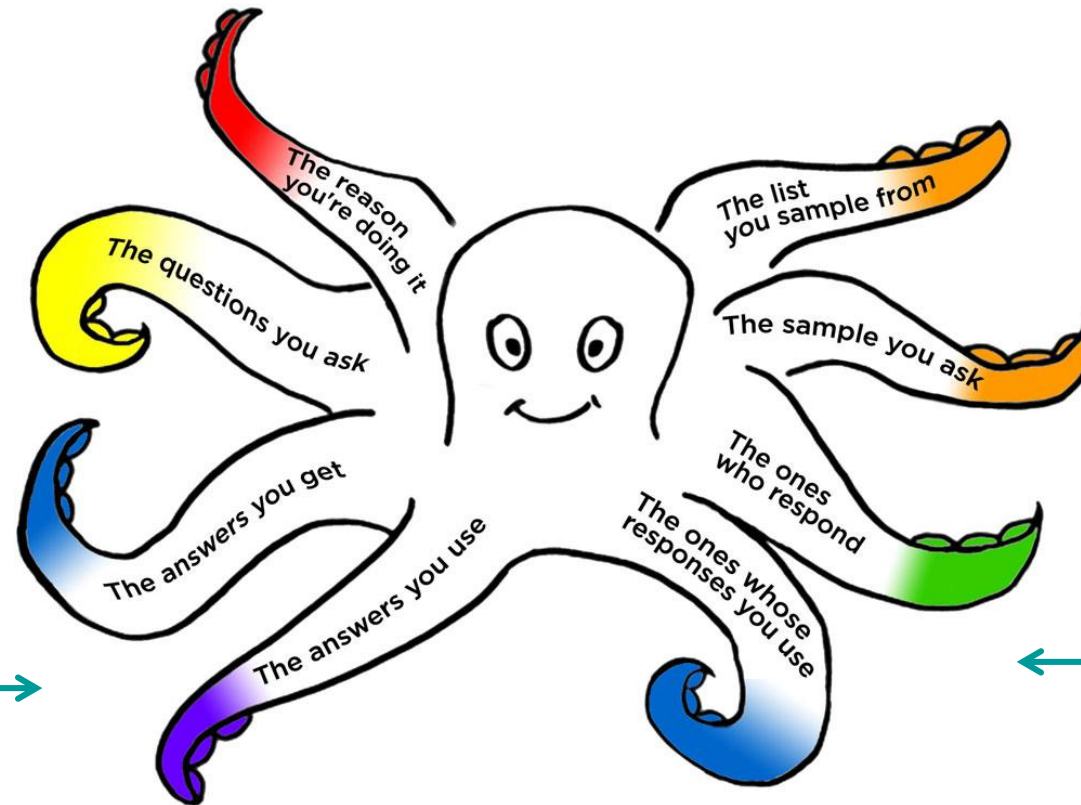


Processing error is very similar

Why you want ask

Who you want to ask

Processing error happens when the decisions you make about how you use the individual answers are not completely ideal



Processing error

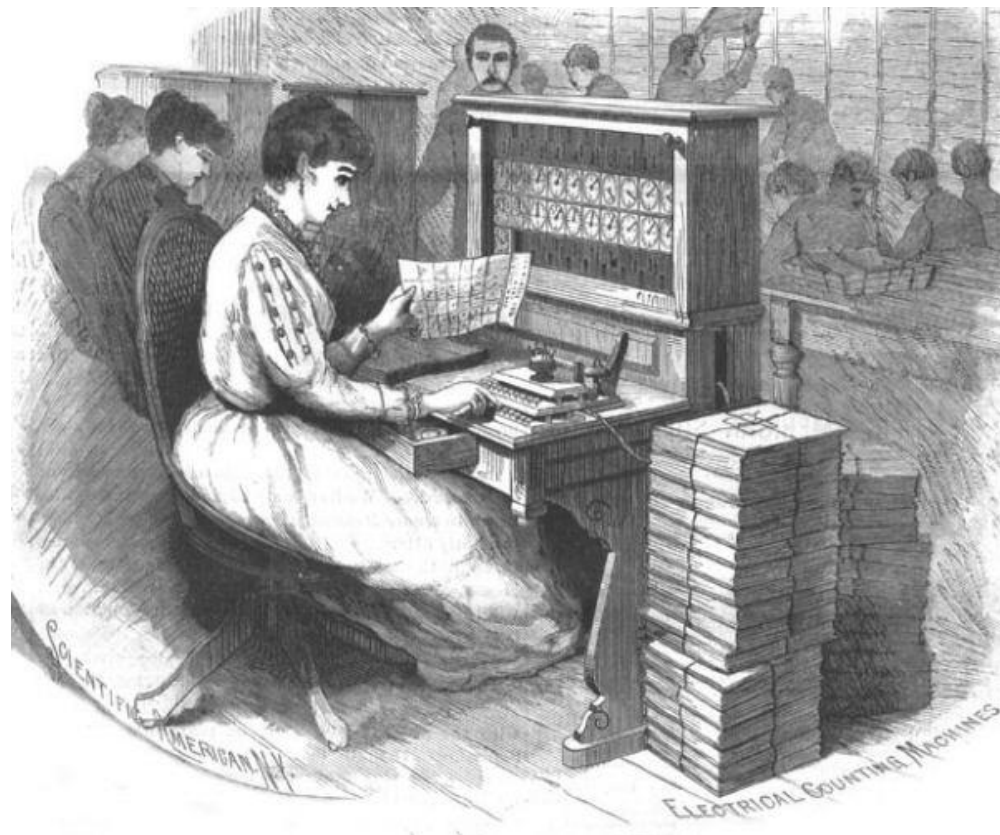


Adjustment error



The number

Typing in the answers is “coding”



These days, survey tools do a lot of coding for us

Type of question

- Radio buttons
(Yes, No, Not sure)
- Check boxes
- Numeric entry only
- Open box (text entry)

Results are likely to have

- Text of the option
(Yes, No, Not sure)
- A column for each of the checkboxes
- A number
- Text as typed

I've got an extract from some responses

Question

1. Do you have an account?
2. Did you use:
Our website
Customer contact centre
Discussing with a colleague
3. How satisfied are you?
4. Feedback

Response options

1. Yes, no, don't know
2. I used it,
I was aware of this but didn't use it,
I didn't know about it
3. Score, 0 to 10
4. Open box

We're often too frightened of open answers

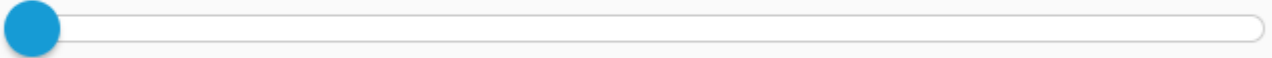
For example, here are some examples of asking for age

Date of birth


01 ▾ 01 ▾ 1900 ▾ 

How old are you?

Move the slider until it shows the correct number in the box on the left



Thanks for that! Now we'd like to get to know you a little bit better. So please select your date of birth from the drop downs below:

mm/yyyy 

← Apr ▾ 1999 ▾ →

OK

CONTINUE

We asked farmers for 'size of farm' with an open box

It took me 10 minutes to convert 781 text answers to numbers

Type of reply	Example	% of replies
Just a number	7	81%
with ha	87ha	4%
with hectares	125 hectares	1%
Other	(next slide)	1%
Did not answer/ answer is 'N/A'		12%

Let's try the 1% of tricky 'other' formats

How would you convert these replies to a number of hectares?

A. 7+

B. ~ 2800Ha

C. Approx 32.37

D. 843.65 + 67.



Takeaway

If the person who answers is likely to 'just know' their response as a number, give them an open box for it

But what about free-text responses?

If you ask for free-text responses, plan to read them and think about them

The screenshot shows the Suttons Seeds website interface. At the top left is the Suttons Seeds logo with the text "Est. 1806". To its right are two phone numbers: "0844 922 2899 (Customer Services) 8.30am to 5pm, Mon to Fri" and "0844 922 0606 (Orders only) 24hrs a day, 7 days a week". A "Plant Despatch Schedule" button is visible. On the top right, there are links for "Sign In / Register" and "My Account", along with a shopping basket summary: "1 item £1.45" and a "View Basket" button. A search bar with "Enter Search Here" and a "Go" button is located in the center. A navigation menu below the search bar includes: Home, Vegetables, Flowers, Garden Equipment, Fruit, Perennial Plants, Special Offers, and Garden Advice and Help. The breadcrumb trail reads: Home » Gardening » Vegetables » New Vegetables for 2012 » Brussels Sprout Continuity Collection. The main product area features a large image of Brussels sprouts on the left. To the right, the product title is "Brussels Sprout Continuity Collection" with code "216121". Below the title, it says "Harvest October-February" and "Collection contains 18 plants (6 of each variety): Nautic (a vigorous, high-yielding early variety with good standing)". A quantity selector shows "1" and an "Add to Basket" button with a price of "£6.99". A feedback pop-up titled "Help us improve" is overlaid on the page, containing the text "We value your opinion. What do you like about our site and what can we improve on?" and a text input field with the placeholder "Click here to type...". A "SUBMIT" button is at the bottom of the pop-up.

SUTTONS SEEDS
Est. 1806

0844 922 2899
(Customer Services)
8.30am to 5pm, Mon to Fri

0844 922 0606
(Orders only)
24hrs a day, 7 days a week

Plant Despatch Schedule

Sign In / Register | My Account

1 item £1.45
View Basket

Enter Search Here Go

Home | Vegetables | Flowers | Garden Equipment | Fruit | Perennial Plants | Special Offers | Garden Advice and Help

Home » Gardening » Vegetables » New Vegetables for 2012 » Brussels Sprout Continuity Collection

Brussels Sprout Continuity Collection

Code: 216121

Harvest October-February

Collection contains 18 plants (6 of each variety): **Nautic** (a vigorous, high-yielding early variety with good standing

Pack of 18 Plug Plants (6 of each variety)

Quantity: 1

Add to Basket £6.99

Add to wish list

to grow your own. Even the smallest patio or
at will give you a bumper crop of delicious fresh

Help us improve

We value your opinion.
What do you like about our site and what can we improve on?

Click here to type...

SUBMIT

But what if we need to do more?

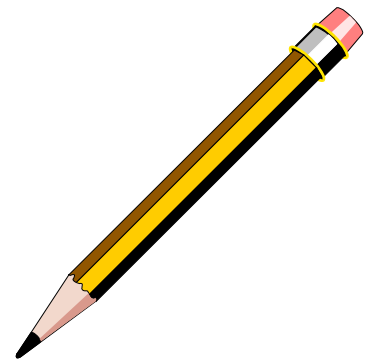
We are aiming for “inter-coder reliability”

- We’re usually working with a team of coders
- We want to be sure that everyone is coding in the same way
- That means deciding on a “coding frame”
- A coding frame tells you how to code each answer
- For example, for ‘Feelings’, we might code:
 - Positive
 - Neutral
 - Negative

Name four things that appear in this picture



René Magritte "L'Histoire centrale" ("The heart of the matter"), Dexia Collection



This is from a case study on inter-coder reliability

Case Study: Six untrained coders were invited to describe the picture below ('The Heart of the Matter', by Rene Magritte). Each coder was allowed 15 minutes in which to select appropriate codes from the **Art and Architecture Thesaurus (AAT)** from the **Getty Museum**. The resulting codings are shown below.



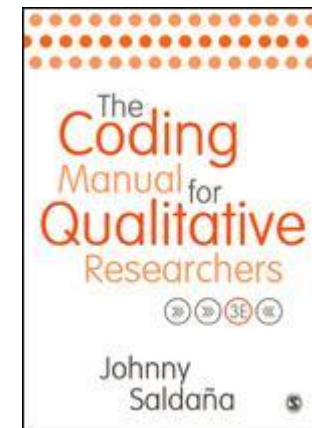
Rene Magritte: 'The Heart of the Matter'

CODER 1	CODER 2	CODER 3	CODER 4	CODER 5	CODER 6
Suitcases 46224	Suitcases 46224	Suitcases 46224 Leather 11845	Case 45659	Luggage 225937	Suitcases 46224
Brass instrument 42276	Trombones 42335	Musical instruments 41620	Trombones 42335	Trombones 42335	Trumpets 42339
Tables (support furniture) 39548		Tables (support furniture) 39548	Tables (support furniture) 39548		Tables (support furniture) 39548
Women 25943	Models (people) 25848 Arms 40237		Women 25943 Dress 46159	Women 25943	Adult 154397
	Standing 239500	Standing 239500	Standing 239500	Still lifes 15638	Standing 239500
Cloth 62391	Cloth 62391	Scarves (costume accessories) 46123	Face masks 262834 Cloth 62391	Covers (overlying objects) 246275 Head-cloths (headgear) 213003	Cloth 62391
		Brown 127490			Blue 129361

You can choose from many different coding frames

- Topic (as in the Magritte example)
- Who is responsible for doing something (department)
- Positive or negative about something (sentiment)
- Nuggets for the report (cherry-picking)

Johnny Saldaña lists many more in his book



I do coding for each question in five steps

- Step 1: Read a sample of the open answers
- Step 2: Decide on a coding frame
- Step 3: Apply the coding frame (phase 1 coding)
- Step 4: Think about it
- Step 5: Revise the coding frame and repeat (phase 2 coding)

What I ought to do is different

- Goals: Decide on a coding frame.
- Fieldwork: Apply the coding frame to the first few responses.
Think about it. Revise.
- Responses: Apply the better coding frame (phase 1 coding).
Think about it.
- Reports: Revise the coding frame and tweak it all again
(phase 2 coding).

You're going to try my real-life method of coding

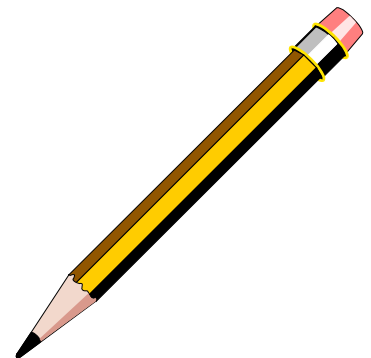
Step 1: Read a sample of the comments

Step 2: Decide on a coding frame

Hint – I mentioned four types of coding frame

- Topic (as in the Magritte example)
- Who is responsible for doing something (department)
- Positive or negative about something (sentiment)
- Nuggets for the report (cherry-picking)

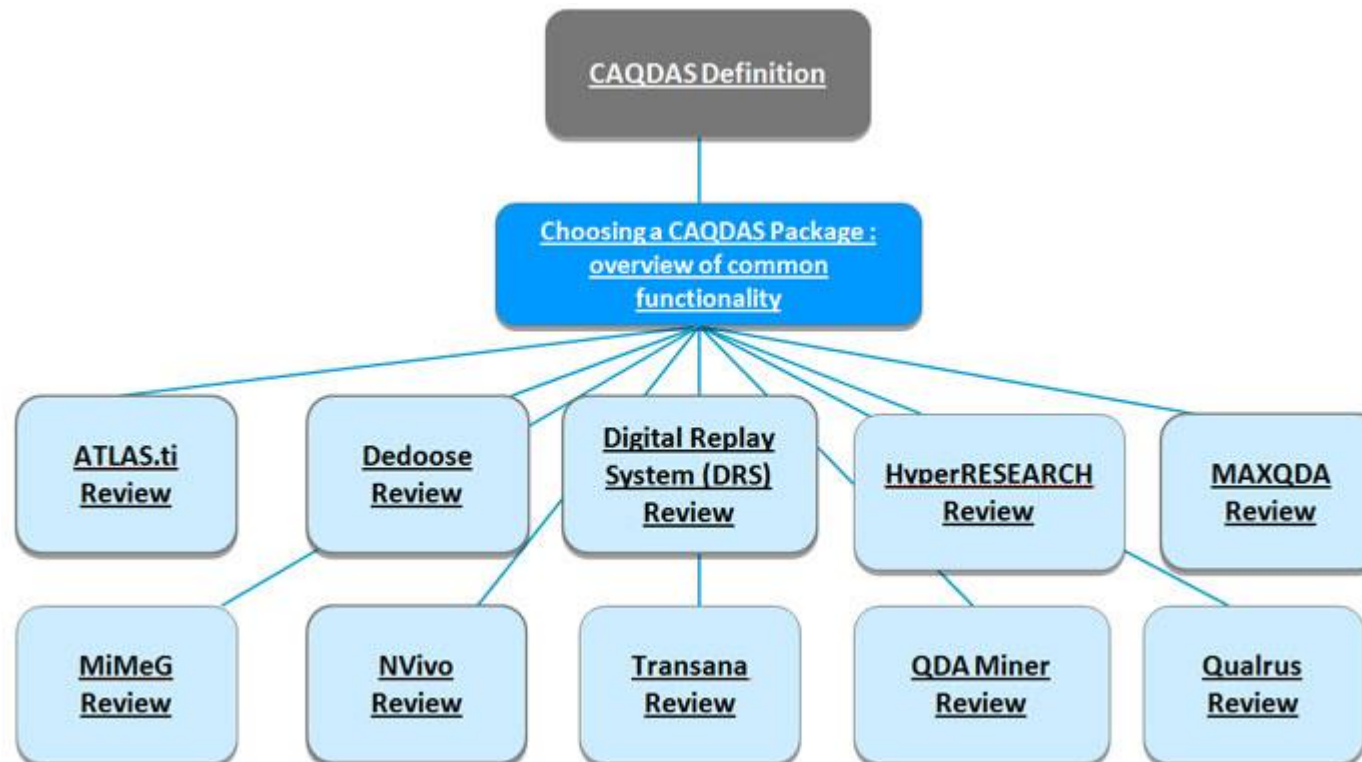
5 minutes



CAQDAS tools can have hefty learning curves

computer-assisted qualitative data analysis software

Before buying one, look at this: [Choosing a CAQDAS package | University of Surrey](#)



Or they can be handy to get a flavour of answers



From a survey about using Facebook in connection with university study
Responses coded 'positive'

I made a word cloud from our example dataset



I got a summary from ChatGPT

- Used Playground - OpenAI API
- Chose model: text-davinci-003
- Pasted in all the comments with tl;dr at the end

“Overall, I experienced long wait times and confusion on the website and helpline, however, the staff were friendly and helpful, and I'm glad I eventually got the product I needed.”

Takeaway

Don't wait until the report is due to think about coding

Today's agenda

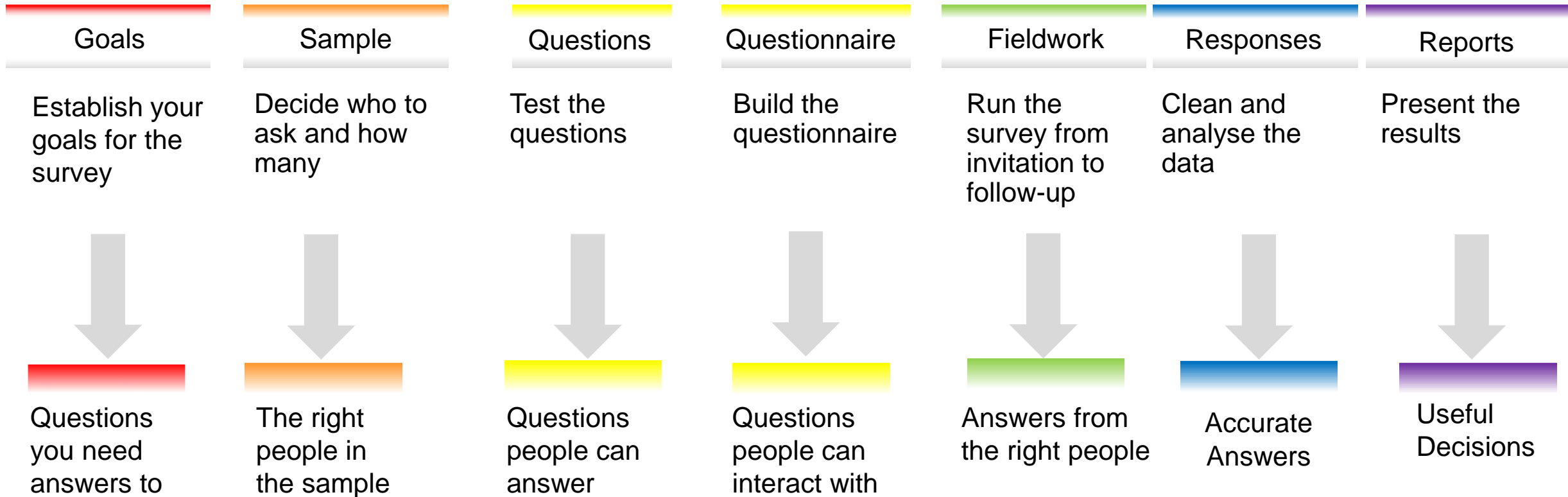
- ✓ Introduction and definitions
- ✓ Goals: Focus your survey on a specific decision
- ✓ Sample: Write an invitation that makes people want to answer
- ✓ Questions: Ditch the rating scales
- ✓ Responses: Lose your fear of open answers

Recap and retro

Recap

The Survey Octopus and the errors

You get a better survey by doing many things well



All these errors add up to Total Survey Error

Why you want ask

Who you want to ask

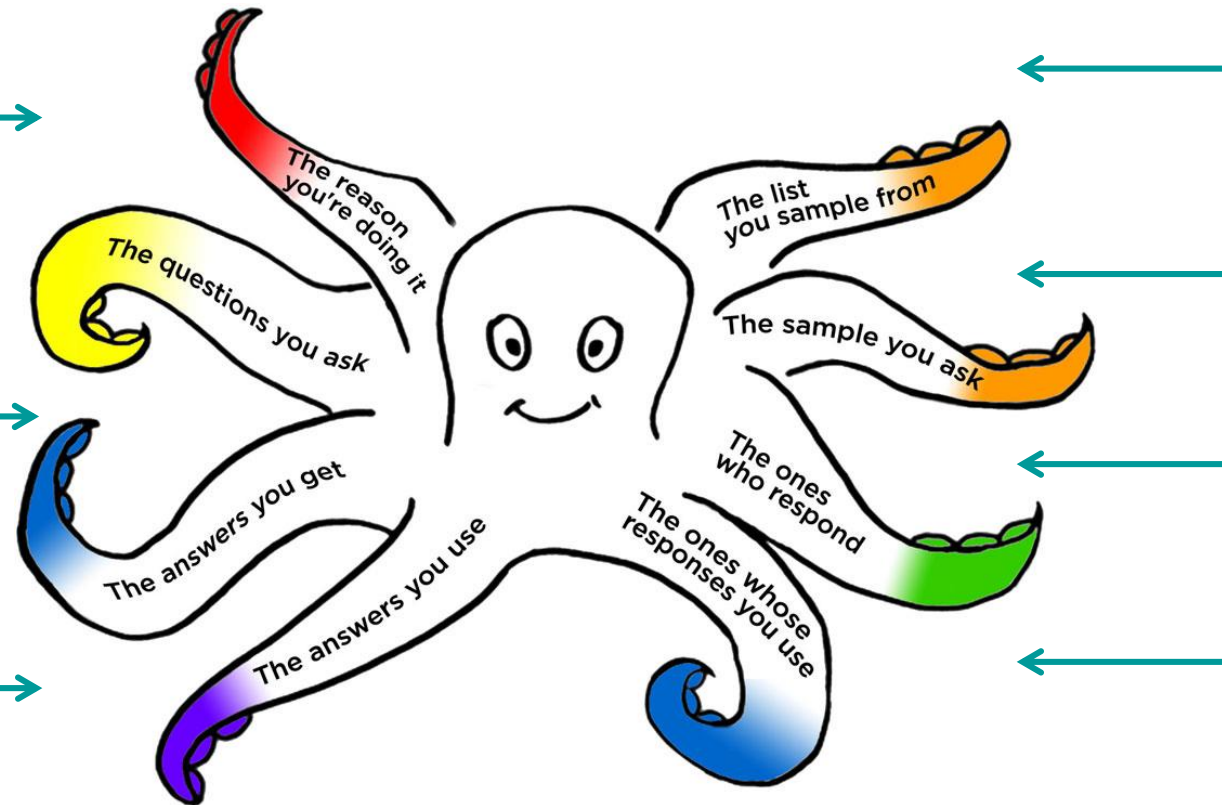
(Lack of) validity



Measurement error



Processing error



Coverage error



Sampling error



Non-response error



Adjustment error

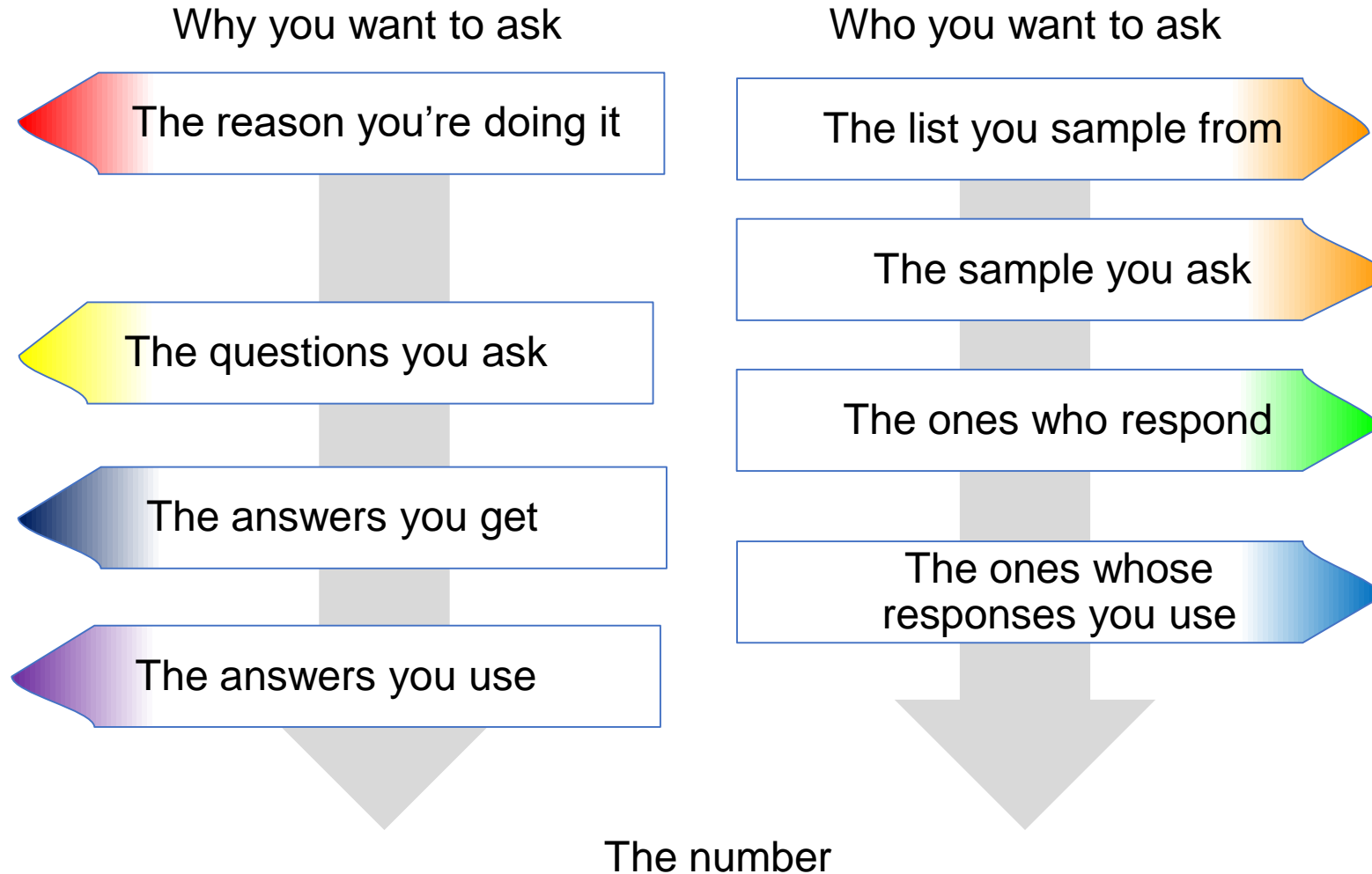


The number

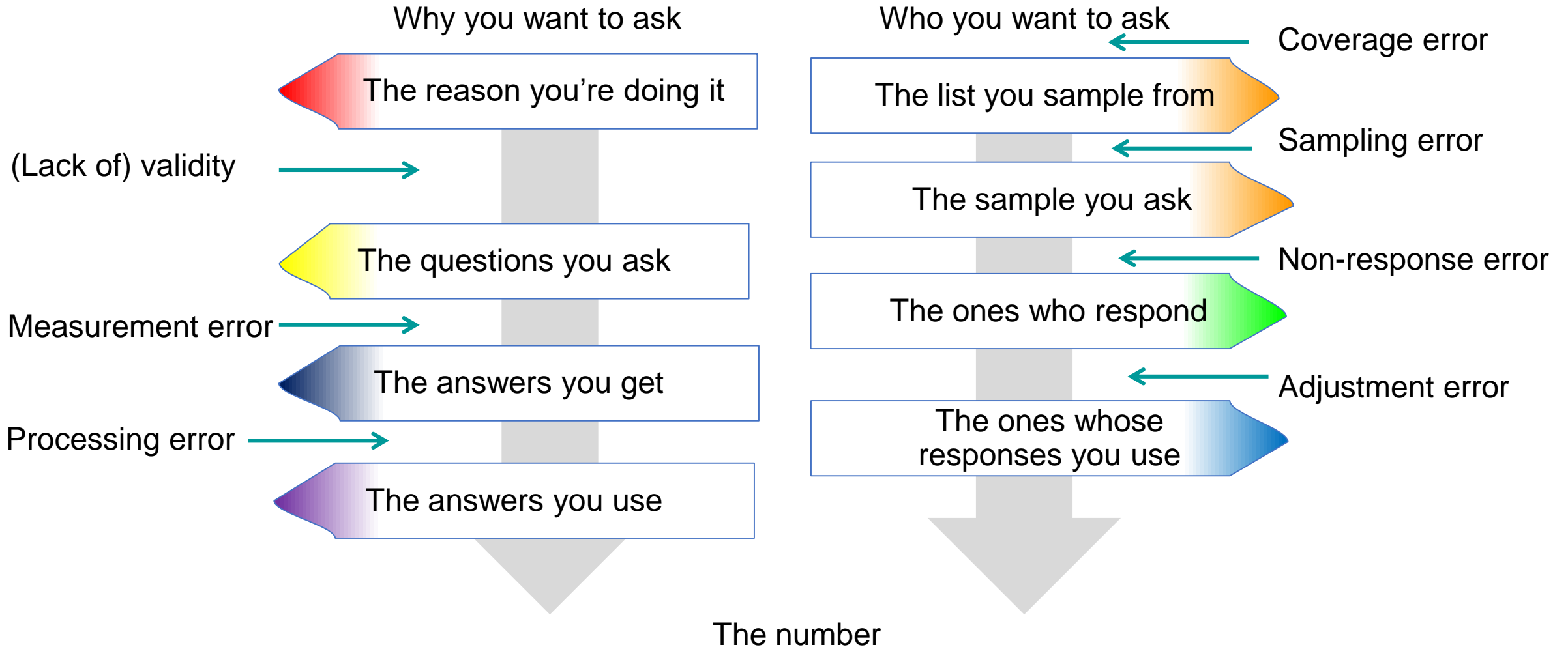
Takeaway

Your aim with a survey is to make choices that keep Total Survey Error as low as practical, overall

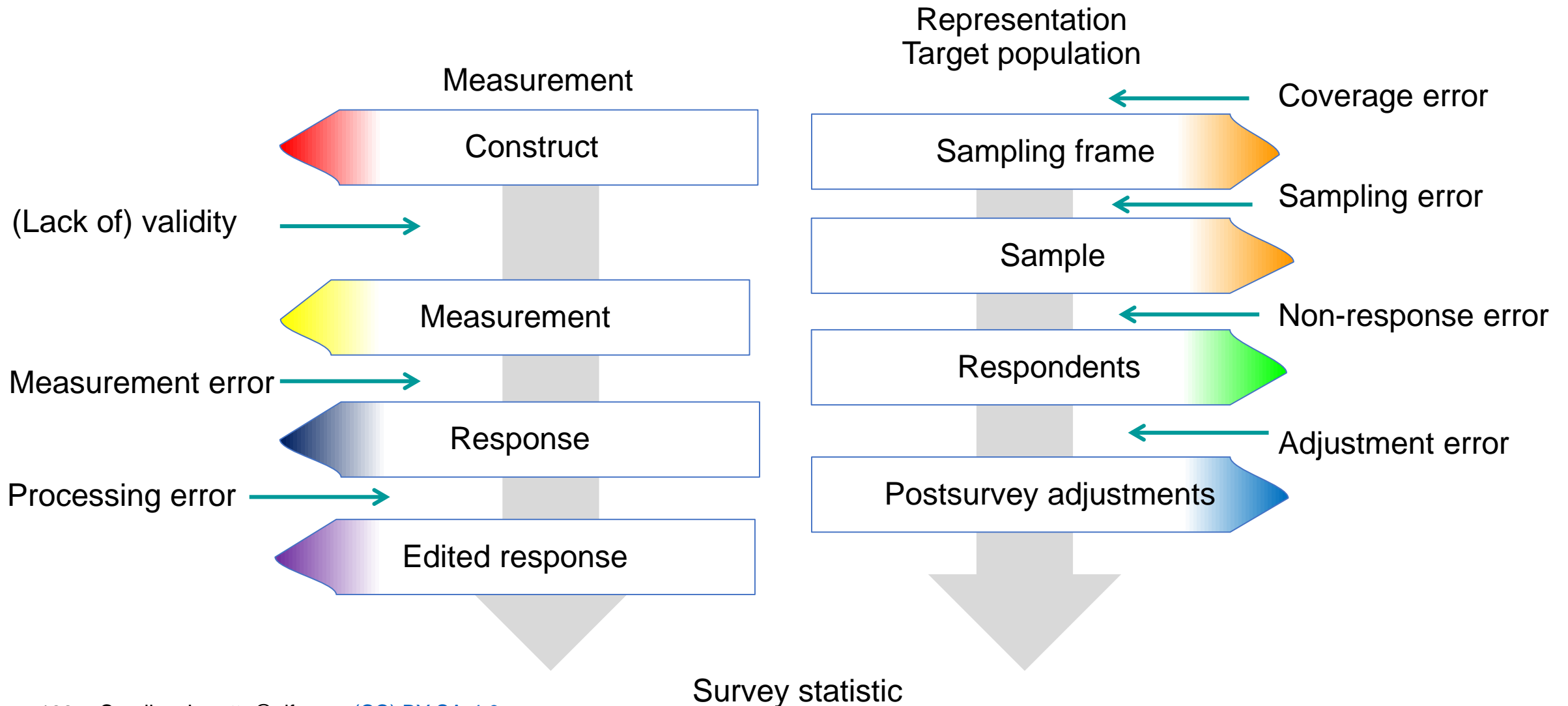
The aim is to make good choices at each step



The aim is to minimise Total Survey Error



Survey methodologists use more searchable terms



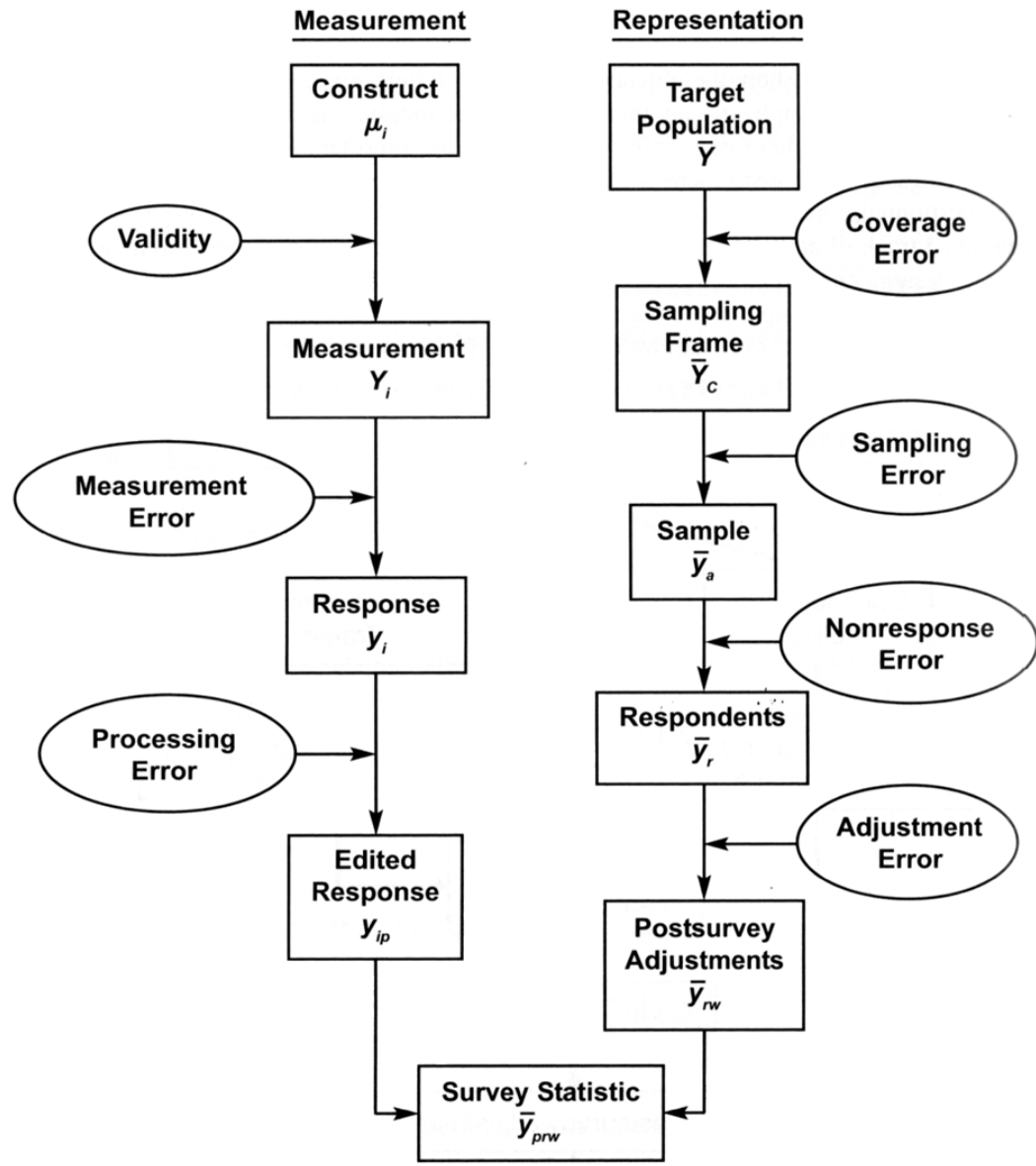


Figure 2.5 Survey life cycle from a quality perspective.

Total Survey Error diagram as presented in Groves, R. M., F. J. Fowler, M. P. Couper, J. M. Lepkowski, E. Singer and R. Tourangeau (2009). Survey methodology. Hoboken, N.J., Wiley.

Retro

How was that for you?

Please write sticky notes for these categories

- What went well?
- What didn't go well?
- What would you like more of?
- What would you like less of?
- Anything else?

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