

Rostering with Voxco

Methods, Syncing Across Modes, Extraction

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Topics

- Defining a Roster
- Setting up Rosters (Loops)
- Types of Rosters and When to Choose Which
- Considerations/limitations when fielding the same instrument in CATI and web
- Data Extraction Considerations

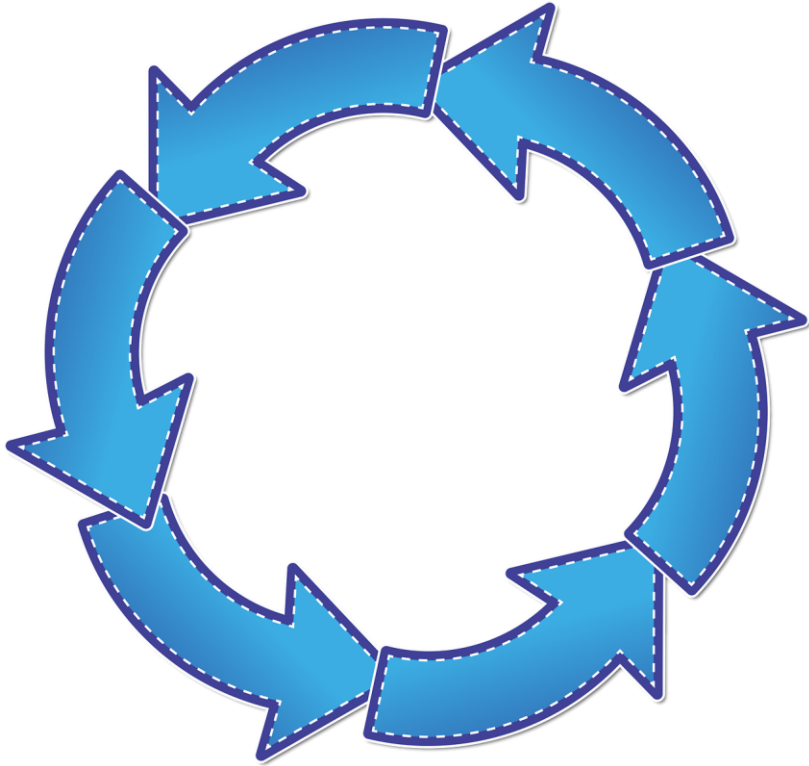
Challenge Facing Programmers

- Q1: What is <PERSON1>'s age?
- Q2: What is <PERSON1>'s race?
- Q3: What is <PERSON1>'s weight?
- Q4: What is <PERSON1>'s height?

- Q5: What is <PERSON2>'s age?
- Q6: What is <PERSON2>'s race?
- Q7: What is <PERSON2>'s weight?
- Q8: What is <PERSON2>'s height?

- Q9: What is <PERSON3>'s age?
- Q10: What is <PERSON3>'s race?
- Q11: What is <PERSON3>'s weight?
- Q12: What is <PERSON3>'s height?

What is a Roster?



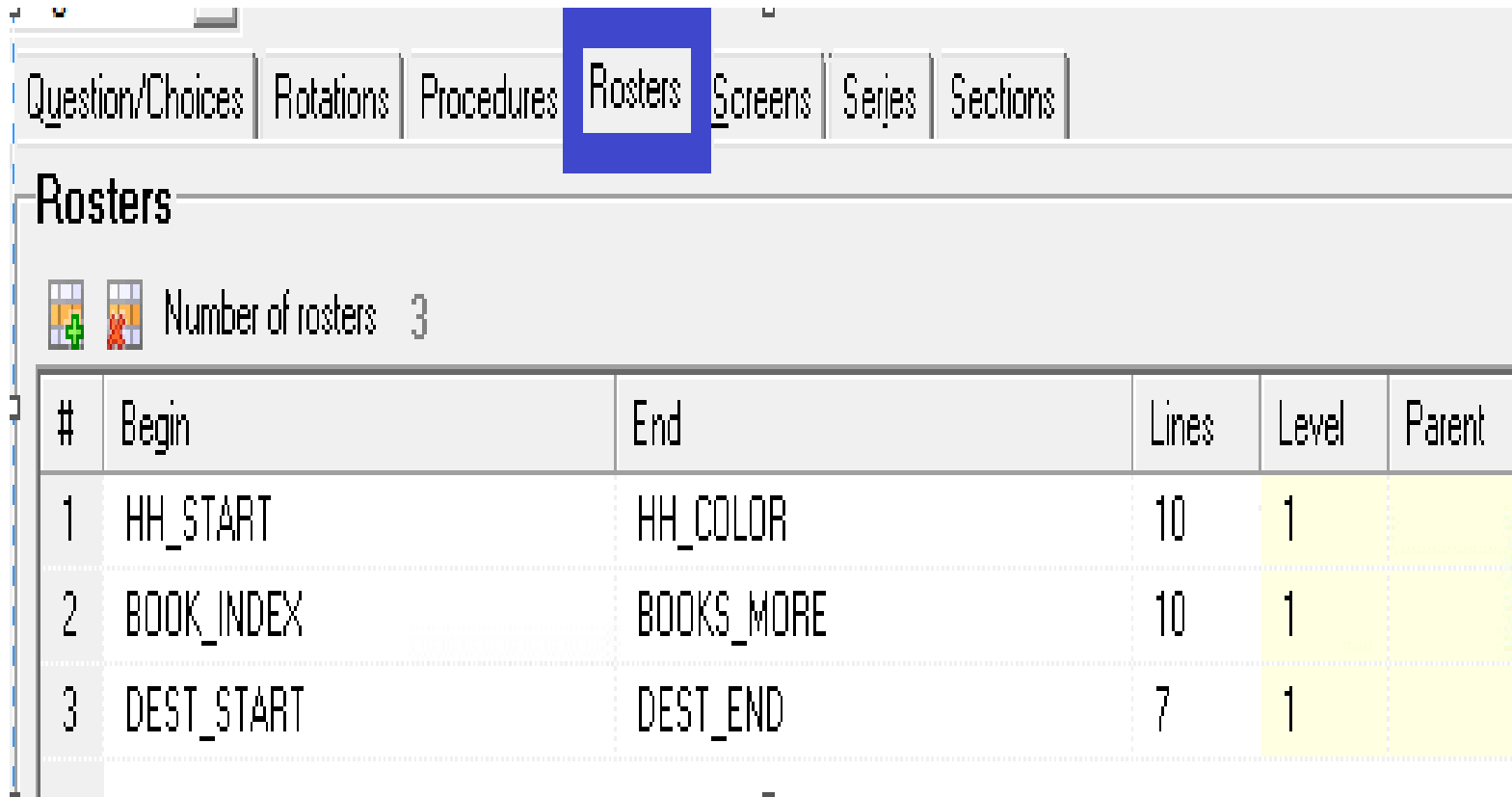
Programmatic tool allowing for the same questions to be repeatedly asked.

Voxco – Background Information

- Survey software platform
 - Web
 - Telephone
- Can field the same instrument in both environments and have data write to the same tables





Establishing Rosters – Voxco CATI



Question/Choices Rotations Procedures **Rosters** Screens Series Sections

Rosters

  Number of rosters 3

#	Begin	End	Lines	Level	Parent
1	HH_START	HH_COLOR	10	1	
2	BOOK_INDEX	BOOKS_MORE	10	1	
3	DEST_START	DEST_END	7	1	

Establishing Rosters – Voxco Online

Roster and Non-roster Blocks

Block (2 questions)

HH_ROSTER_BLOCK (6 questions)

Block_2 (1 questions)

BOOK_ROSTER (3 questions)

Block_3 (1 questions)

DESTINA_ROSTER (6 questions)

Block_4 (2 questions)

Establishing Roster Block

HH_ROSTER_BLOCK (6 questions)

Edit Block

Block Name

Description

- Automatic page break between questions
- Display Shortcuts
- Questionnaire Section
- Use default look and feel

▶ **Skip Logic**

▶ **Randomize**

▼ **Loop Questions**

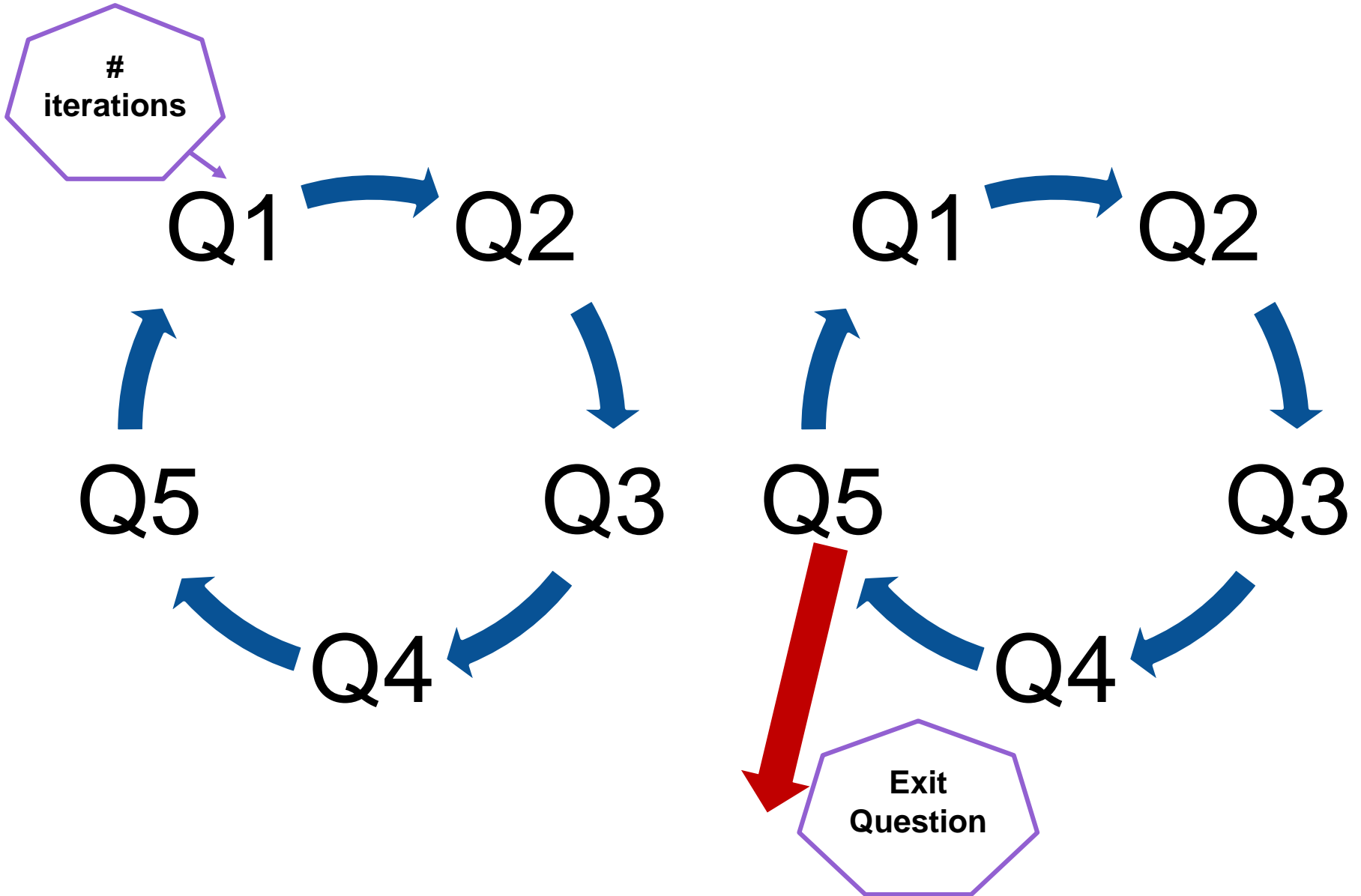
Define a loop to repeat this block of questions more than once

Enable Looping

Max Loop Size

When pushing a CATI survey to web, the roster structure and iteration detail transfers over.

Rostering Types



Iterations Determined by Question Outside the Roster

- Favorable method when you can be confident that the respondent knows “how many”
 - How many children do you have?
 - How many cars do you have?
- Favorable method when the maximum “how many” is limited by the question itself

Which of these places would you like to visit? Check all that apply

1, Paris

2, Australia

3, New Zealand

4, Ireland

5, London

6, Spain

7, Italy

Household Info

- How many people live in your household?
- What is the first name of the <second, third> oldest person in the household?
- How old is <NAME>?
- What is <NAME>'s favorite color?
- What was the total household income for 2018?

Household Info

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Programming Example Spec: Setting Roster Iterations

Setting loop iterations prior to getting into roster block 

HH_NUM

How many people live in your household?

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

HH_ROSTER_BLOCK (6 questions)

Checking to see if rostering should continue

Checking to see if roster line exceeds the answer given for persons living in household



HH_ROSTER_BLOCK (6 questions)

HH_START

Check if the next row \$R is > HH_NUM

▼ 2 Advanced Logic

Branch To : \$R>HH_NUM Branch To INCOME

Branch To : NOT (\$R>HH_NUM) Branch To +1

Setting fill based on iteration number

Setting substantive loop question fill from roster/looping iteration number 

HH_INDEX
Household Index and Fill

-
- second
- third
- next
- next
- next
- next
- next
- next
- next
- next

▼ **2 Advanced Logic**

Pre-Load Actions

Set Variable Value : -> HH_INDEX = \$R

Branch To : Branch To 1

Page Break

HH_FNAME

What is the first name of the [HH_INDEX] oldest person in the household?

Book Reading

- What was the name of the <first, second, etc.> book you read this year?
- Have you read any other books this year?

Book Reading

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DETERMINE LOOP ITERATIONS WITHIN LOOP

Specifying Maximum Loops/Iterations

We set the maximum number of loops to 10



Edit Block

Block Name

Description

Automatic page break between questions

Display Shortcuts

Questionnaire Section

Use default look and feel

▶ **Skip Logic**

▶ **Randomize**

▼ **Loop Questions**

Define a loop to repeat this block of questions more than once

Enable Looping

Max Loop Size

Establishing Fill

BOOK_INDEX

Book index and fill

- last
- previous
- previous
- previous
- previous
- previous
- previous
- previous
- previous
- previous
- previous
- previous

▼ 2 Advanced Logic

Pre-Load Actions

Set Variable Value : -> BOOK_INDEX = \$R

Branch To : Branch To 1

Setting the choice to the roster iteration number



Substantive Questions and Potential Loop Exit

If no other books were read, respondent skipped out of the loop



BOOK

What was the name of the [BOOK_INDEX] book you read this year?



Page Break

BOOKS_MORE

Have you read any other books this year?

Yes

No

(Post-Answer Action) **Branch To :** BOOKS_MORE = 2 Branch To DESTINATIONS  

Pushing CATI Survey to Web

- Some versions of Voxco Online do not handle nested loops
- Formatting differences exist between platforms
 - <FILL> versus [FILL]
 - Bolding, italicization, etc. doesn't come over

Considerations When Pushing CATI Version to Web

May need to address some gremlins

Edit Action

Action

Set Variable Value

Condition

+ Add Advanced

Variable

BOOK_INDEX

Value Type

Formula Value

Formula

\$R

Row

[\$ROW]

BOOK_INDEX

Book index and fill

- last
- previous
- previous
- previous
- previous
- previous
- previous
- previous
- previous
- previous
- previous

▼ 2 Advanced Logic

Pre-Load Actions

Set Variable Value : -> BOOK_INDEX = \$R

Considerations When Extracting Data

- Voxco data are stored in SQL tables
- Response data for Voxco CATI and Voxco Online have the same structure



Considerations When Extracting Data: Non-technical Personnel

Considerations When Extracting Data: Non-technical Personnel

DESTINATIONS

Which of these places would you like to visit? Check all that apply

- Paris
- Australia
- New Zealand
- Ireland
- London
- Spain
- Italy

Voxco CATI	Voxco Online
DESTINATIONS	DESTINATIONS_M1
DEST_STARTR1	DESTINATIONS_M2
DEST_STARTR2	DESTINATIONS_M3
DEST_STARTR3	DESTINATIONS_M4
DEST_STARTR4	DESTINATIONS_M5
DEST_STARTR5	DESTINATIONS_M6
DEST_STARTR6	DESTINATIONS_M7
DEST_STARTR7	DEST_START_R1

- Voxco CATI shows answers to DESTINATIONS under one variable/container
- Voxco Online has a separate container for each possible answer

Considerations When Extracting Data: Non-technical Personnel

- Voxco CATI: results displayed in question order
- Voxco Online: can display results in question or roster order

Voxco CATI	Voxco Online
HH_START_R1	HH_START_R1
HH_START_R2	HH_INDEX_R1
HH_INDEX_R1	HH_FNAME_R1
HH_INDEX_R2	HH_AGE_R1
HH_FNAME_R1	HH_COLOR_R1
HH_FNAME_R2	O_HH_COLOR_R1
HH_AGE_R1	HH_START_R2
HH_AGE_R2	HH_INDEX_R2
HH_COLOR_R1	HH_FNAME_R2
O_HH_COLOR_R1	HH_AGE_R2
HH_COLOR_R2	HH_COLOR_R2
O_HH_COLOR_R2	O_HH_COLOR_R2

When the same survey is synched between Voxco CATI and Voxco Online, the extraction follows the Voxco CATI pattern

Conclusion

CHOOSE



TEST



BE AWARE OF DIFFERENCES





delivering **the promise of science**
for global good



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