Conditional Control

surveydown

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1. Conditional display

2. Conditional skip forward

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Conditional Question Display

Conditional question display

Which is your favorite type of penguin?

- ○ Adélie
- ○ Chinstrap
- ○ Gentoo
- ○ Other

Next

Conditional question display

Define both *conditional* and *target* questions in `survey.qmd`

```
# Conditional question
sd_question(
  type  = "mc",
  id    = "penguins",
  label = "Which is your favorite type of penguin?",
  option = c(
    "Adélie"    = "adelie",
    "Chinstrap" = "chinstrap",
    "Gentoo"    = "gentoo",
    "Other"     = "other"
  )
)

# Target question
sd_question(
  type  = "text",
  id    = "penguins_other",
  label = "Please specify the other penguin type:"
)
```

Conditional question display

Define condition with `sd_show_if` in `app.R`

```r
server <- function(input, output, session) {

  sd_show_if(
    input$penguins == "other" ~ "penguins_other"
  )

  # ...other server code...

}
```
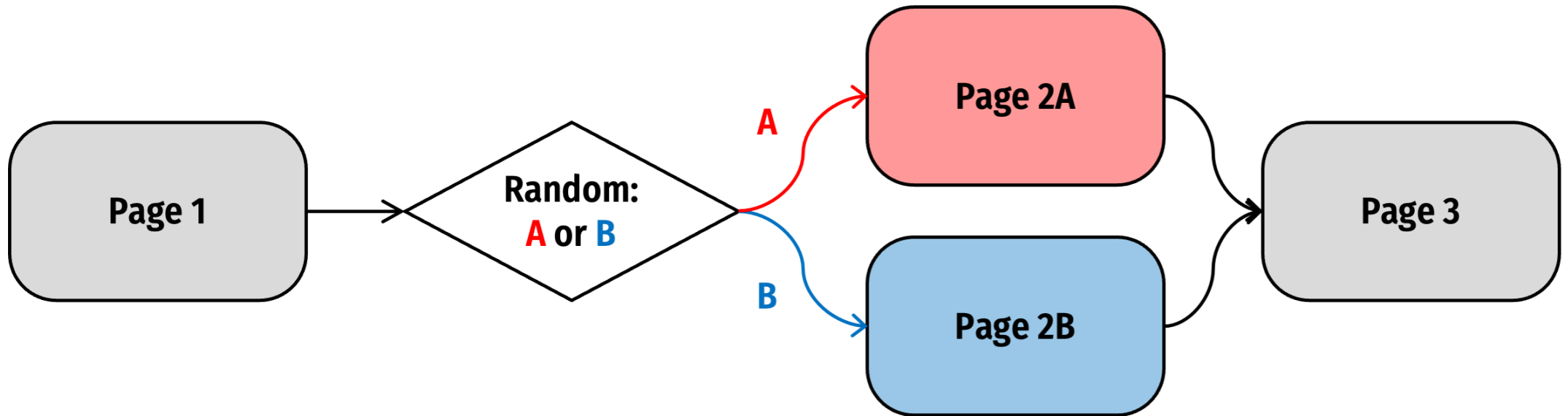
1) The structure of the condition is always:

```r
<condition> ~ "target_question_id"
```

2) Note the use of `input$penguins`

Conditional Page Display

Example: Randomly display one of two page versions

First, define all pages in your `survey.qmd` file:

```
--- page1

This is page 1

```{r}
sd_next()
```


--- page2a

This is page 2A

```{r}
sd_next()
```
```

```
--- page2b

This is page 2B

```{r}
sd_next()
```


--- page3

This is page 3

```{r}
sd_close()
```
```

In `app.R`:

```r
server <- function(input, output, session)
{

  # Generate random condition
  rand_val <- sample(c('A', 'B'), 1)

  # Store the condition value
  sd_store_value(rand_val)

  # Use sd_show_if to show target pages
  sd_show_if(
    rand_val == 'A' ~ 'page2a',
    rand_val == 'B' ~ 'page2b'
  )

  sd_server()

}
```

Conditional Control

1. Conditional display

2. Conditional skip forward

Example: **Participant screen out**

Example: **Participant screen out**

Do you own a vehicle?

○ Yes
○ No

Next

In `survey.qmd`: Target screenout question

```r
sd_question(
  type  = 'mc',
  id    = 'vehicle_ownership',
  label = "Do you own a vehicle?",
  option = c(
    'Yes' = 'yes',
    'No'  = 'no'
  )
)
```

Target screenout page

```
--- screenout

Sorry, but you are not qualified
to take our survey.
```

In `app.R`:

```r
server <- function(input, output, session) {

  sd_skip_if(
    input$vehicle_ownership == "no" ~ "screenout"
  )

  # ...other server code...

}
```

For both conditional display and conditional skip forward, there are lots of conditions to choose from

Your turn

- Open the survey you were editing from your last practice.
- Add conditional logic content:
  - Add one simple multiple choice question about your survey topic and another that will only display depending on a specific choice in the first question.
  - Add a target page that respondents should be sent to based on their choices in another question in an earlier page (e.g., a multiple choice question).