



# *Conditional Control*

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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`

```
server <- function(input, output, session) {  
  sd_show_if(  
    input$penguins == "other" ~ "penguins_other"  
  )  
  
  # ...other server code...  
}
```

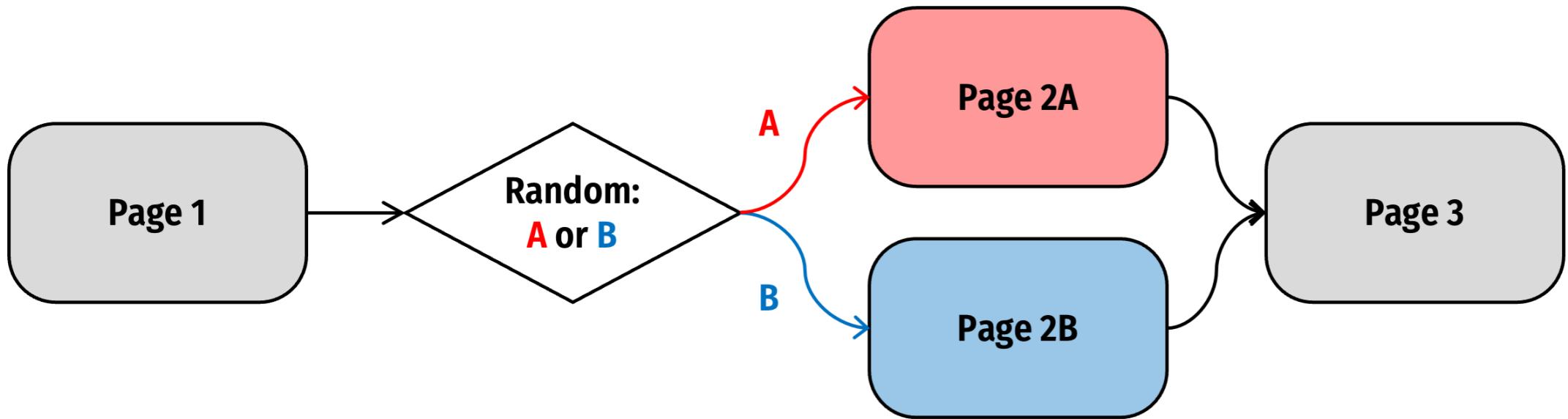
1) The structure of the condition is always:

```
<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:

```
```{.sd_page id=page1}
```

This is page 1

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

```
```
```

```
```{.sd_page id=page2a}
```

This is page 2A

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

```
```
```

```
```{.sd_page id=page2b}
```

This is page 2B

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

```
```
```

```
```{.sd_page id=page3}
```

This is page 3

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

```
```
```

## In app.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

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In `survey.qmd`: Target screenout question

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

Target screenout page

```
... { .sd_page id=screenout }  
  
Sorry, but you are not qualified  
to take our survey.  
  
...
```

In `app.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**

15:00

## 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).