



Conditional Control

Conditional Control

1. Conditional display
2. Conditional skip forward

Conditional Control

1. Conditional display
2. Conditional skip forward

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...  
}
```

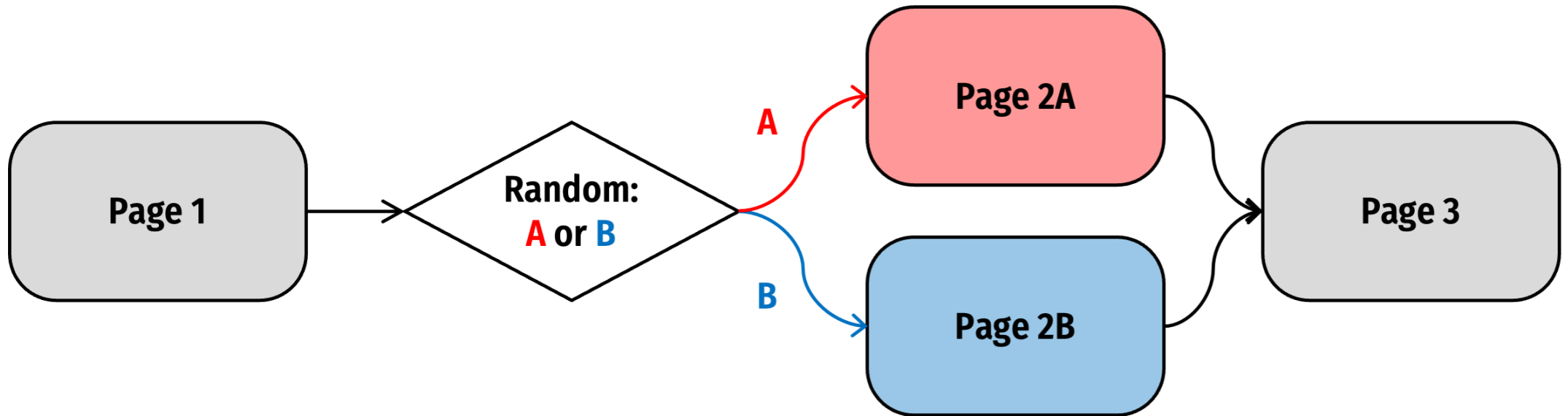
1) The structure of the condition is always:

```
<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

Next

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_forward(  
    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

15:00

- 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).