R Markdown script

YAML sets title, date, and output type

Code chunk loads packages and data

Output (e.g. Word document)

```r
1  ---
2  title: "Outbreak Situation Report"
3  date: "4/24/2021"
4  output: word_document
5  ---
6
7  ```{r setup, echo=FALSE}
8  pacman::p_load(rio, here, tidyverse, janitor, incidence2, flextable)
9  linelist <- rio::import(here::here("data", "case_linelists", "linelist_cleaned.rds"))
10 ```
11
12 This report is for the Incident Command team of the fictional outbreak of Ebola cases.
   **As of `r format(max(linelist$date_hospitalisation, na.rm=T), "%d %B")` there have
   been `r nrow(linelist)` cases reported as hospitalized.**
13
14 ## Summary table of cases by hospital
15
16 ```{r, echo=F, out.height="75%"}
17 linelist %>%
18   filter(!is.na(hospital)) %>%
19   group_by(hospital) %>%
20   summarise(cases = n(),
21     deaths = sum(outcome == "Death", na.rm=T),
22     recovered = sum(outcome == "Recover", na.rm=T)) %>%
23   adorn_totals() %>%
24   qflextable()
25 ```
26
27 ## Epidemic curve by age
28
29 ```{r, echo=F, warning=F, message=F, out.height = "75%", out.width="100%"}
30 # create epicurve
31 age_outbreak <- incidence(
32   linelist,
33   date_index = date_onset,    # date of onset for x-axis
34   interval = "week",          # weekly aggregation of cases
35   groups = age_cat)
36
37 # plot
38 plot(age_outbreak, n_breaks = 3, fill = age_cat, col_pal = muted, title = "Epidemic
   curve by age group")
39 ```
40
```

38:32 Chunk 3   R Markdown

Text and in-line code

Code chunk makes table

Headings

Code chunk makes plot

outbreak_report - Read-Only - Compatibility Mode

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Outbreak Situation Report

4/24/2021

This report is for the Incident Command team of the fictional outbreak of Ebola cases. **As of 30 April there have been 5888 cases reported as hospitalized.**

Summary table of cases by hospital

hospital	cases	deaths	recovered
Central Hospital	454	193	165
Military Hospital	896	399	309
Missing	1,469	611	514
Other	885	395	290
Port Hospital	1,762	785	579
St. Mark's Maternity Hospital (SMMH)	422	199	126
Total	5,888	2,582	1,983

Epidemic curve by age

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