Number lines in code blocks with Rmarkdown Atusy

Go atusy/rmd-line-num on GitHub to see source files and output examples in variety of formats.

In pandoc style fenced code

Pandoc has an official support to number lines on fenced code by giving a class attribute numberLines (https://www.pandoc.org/MANUAL.html#extension-fenced_code_attributes).

Note that class attributes require . before the class name.

```
% (.r .numberLines)
x <- rnorm(10)
mean(x)

becomes

x <- rnorm(10)
mean(x)</pre>
```

Great!

In Rmarkdown's chunk

The above success infers a success in chunks of Rmarkdown.

For code chunks of Rmarkdown documents, numberLines class can be given by assigning class.source = "numberLines" as a chunk option. ¹

This is enough for rmarkdown::pdf_document. On the other hand, rmarkdown::html_document requires highlyght: pygment in a YAML front matter².

Thus.

```
title: Line numbers with Rmarkdown documents
output:
   html_document:
    highlight: pygment
---
```{r, class.source = "numberLines"}
x <- seq(10)
mean(x)
```</pre>
```

¹See "Tex Results" section of "Chunk options and package options" by Yi Hui (https://yihui.name/knitr/options/#text-results)

²"Chunk numberLines hook]" on Rpubs figured out requirement of pygment (https://rpubs.com/Thell/numberLines).

becomes

```
1 x <- seq(10)
2 mean(x)</pre>
```

[1] 5.5

Great again!!

Unfortunately, line numbering does not work on rmarkdown::word_document.

It does not work properly on rmarkdown::html_notebook and blogdown::html_page as well. I guess some tricks required in CSS or JS.

Numbering outputs

You may also want to number lines on outputs by class.output = "numberLines". However, this changes background colors to gray.

```
ı ## [1] 5.5
```

If output format is html, css will help.

Before adding class.output = "numberLines", an output in html is

```
<code>## [1] 5.5</code>
```

After adding it, the output in html becomes

```
<div class="sourceCode" id="cb7"><code class="sourceCode"</pre>
```

When chunkout class is further added, the output in html becomes

```
<div class="sourceCode" id="cb10"><code class</pre>
```

You can see chunkout class is added to pre tag.

So, lets modify css with

```
div.sourceCode pre.chunkout {
  background: white;
}
```

and you'll be happy, right?

```
## [1] 5.5
```

Sorry I do not support pdf because LaTeX kills me.

Numbering in default

Super easy.

Run following at just after a YAML front matter.

Note that this does not affect pandoc style fenced code. According to pandoc's document, setting up a following YAML front matter should work, but doesn't.

```
output:
  html_document:
  highlight: pygment
  panoc_args:
    --indented-code-classes
    - numberLines
```

Enjoy!