

Slides with Pandoc

an introduction

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Era7 bioinformatics - ohnosequences!

The idea

markdown sources

You write your *slides* using **Markdown**, working with them as you would with any markdown file; you can use all your favorite **pandoc** features too!

PDF slides

Then, **pandoc** and **XeTeX** will convert your source to **pdf** using a custom **beamer** template. That sounds involved, but is already automated for you.

How

Making slides

Use level *one* headings to make *sections*, and level *two* headings for *slides*. You can introduce a new slide at any point with 4 or more dashes ---- . This is sometimes handy for displaying images or a lot of code.

```
# A section
```

```
## Now a slide
```

```
Hola!
```

```
----
```

```
Another slide here!
```

Formatting

Everything works the same as for any markdown document. You have **bold**, *italic* and ***bold italic*** text; ~~strikeout~~, [links](#) and of course $\lim_{n \rightarrow \infty} B(n) = c$. Block quotes work too:

quotations are a byproduct of impermanence
Someone, 2018

1. and also lists
2. numbered or not, nested, ...
 - the order is sometimes
 - not so important



Figure 1: A nice valley





Figure 2: A nice valley again

Works reasonably well. The awful Haskell syntax in all its glory:

```
data DList a = DNode (DList a) a (DList a)

takeF :: Integer -> DList a -> [a]
takeF 0 _ = []
takeF (n + 1) (DNode _ x next) = x : (takeF n next)

takeR :: Show a => Integer -> DList a -> [a]
takeR 0 _ = []
takeR (n + 1) (DNode prev x _) = x : (takeR n prev)
```

Sadly, the Scala syntax definition that Pandoc uses is awful. See jgm/hightlighting-kate#71

```
"" scala // Scala looks awful! case class test(val x: Boolean) {  
  lazy val x = 2 type T = Int def oh: String = "Buh!" } ""
```

Slides specific bits

Incremental lists

Sometimes we want to display items from a list incrementally:

- first this,

Can be a nice touch sometimes; do not abuse it though.

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- first this,
- then that
- and also this too

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Questions?
