

## Club A

This is an example of a programmatic generation of headlines based on data of some sort. The downside with using R is handling the text you want to intersperse in the document. Since I had about 40 of these to generate, it was worth it to create all the text below. There's probably a better way, but this worked, so I was a happy camper. In hindsight, I bet I manually exported each subtree since I used the `EXPORT_FILE_NAME` property. If you export the whole document and split it, the headlines stay headlines. Subtree exports puts the headline as the document title. Headlines look okay, but I liked subtree exported enough to do it.

### Summary info

- spend target: \$2500
- deptment #: 1234
- project #: 00123
- activity #: 890
- account #: 1234567890

### General reference

- Financial Secretary: John Smith, [jsmith@company.com](mailto:jsmith@company.com)
- Administrator, Jane Doe, [jdoe@company.com](mailto:jdoe@company.com)
- Financial site (account balance, honorarium requests, etc.): [link](#)
- Wiki (approximately everything you could want to know): [link](#)
  - Please, please, *please* check the wiki before contacting Jane or the Financial Secretary!

### Frequently asked questions

- Ordering food: [link](#)
- How to set up [event recording](#)
- Hosting an external speaker: [overview](#)
- [publicizing an event](#)
- [my charge isn't showing up in the system](#)

- [ordering supplies, gifts, etc. from outside vendors](#)
- Do I need to send *original* receipts and/or invoices to Jane?
  - **Restaurants:** *Always, always, always.* See [the wiki on restaurants](#).
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  - **Rule of thumb:** If a paper document was provided, the original is required. If you only received an electronic document, submit that.
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  - First, be sure your answer isn't already in the [wiki](#)
  - As much information as possible: dates, numbers (voucher, order, etc.), specifics
  - In short, send an overabundance of information, so much that it seems ridiculous. This will cut down on follow-up emails. Also ask yourself, would *I* be able to complete this request with the information at hand?

## Exporting

To use stapler, you could simply split apart the pages like so if each section were 1 page each. Then you would just rename the files, if needed.

```
$ stapler split ./file-name.pdf
```

Splitting them apart by *n* pages is trickier... I ended up doing this, though it's only 4 unique documents... there's probably a better way programmatically for a lot more.

```
for string in {'1-2','3-4','5-6','7-8'};
```

```
do
```

```
stapler cat financial-reference.pdf $string $(echo ${string}_file.pdf);
```

```
done
```

I've taken to liking [Sunrise Commander](#) for this immensely, as you can view a directory as a text file and enter an edit mode. Since the names are of the same form, you can use `replace-string` and/or `replace-regexp` to quickly change a lot of file names. I'm sure there's similar Emacs file managers that do the same.

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### Summary info

- spend target: \$1000
- deptment #: 1234
- project #: 00123
- activity #: 890
- account #: 1234567890

### General reference

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```

```
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```

```
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```

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### Summary info

- spend target: \$14250
- deptment #: 1234
- project #: 00123
- activity #: 890
- account #: 1234567890

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- activity #: 890
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do
```

```
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```

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done
```

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## The code

I'm re-producing the code down here so that it doesn't come out in each headline and lengthen the documents.

```
data <- read.csv("./list.csv", colClasses = c(account_new = "character"))
data <- data[data$class == "main", ]
```

```
text_1 <- "This is an example of a programmatic generation of headlines based on data of
some sort. The downside with using R is handling the text you want to intersperse in the
document. Since I had about 40 of these to generate, it was worth it to create all the
text below. There's probably a better way, but this worked, so I was a happy camper. In
hindsight, I bet I manually exported each subtree since I used the =EXPORT_FILE_NAME=
property. If you export the whole document and split it, the headlines stay headlines.
Subtree exports puts the headline as the document title. Headlines look okay, but I liked
subtree exported enough to do it."
```

```
text_2 <- "To use stapler, you could simply split apart the pages like so if each section
were 1 page each. Then you would just rename the files, if needed. \n
```

```
\n
```

```
~$ stapler split ./file-name.pdf~ \n
```

```
\n
```

```
Splitting them apart by ~n~ pages is trickier... I ended up doing this, though it's only 4
unique documents... there's probably a better way programmatically for a lot more. \n
```

```
\n
```

```
~for string in {'1-2','3-4','5-6','7-8'};~ \n
```

```
~do~ \n
```

```
  ~stapler cat financial-reference.pdf $string $(echo ${string}_file.pdf);~ \n
```

```
~done~ \n
```

```
\n
```

```
I've taken to liking [[http://www.emacswiki.org/emacs/Sunrise\_Commander][Sunrise
Commander]] for this immensely, as you can view a directory as a text file and enter an
edit mode. Since the names are of the same form, you can use =replace-string= and/or
=replace-regexp= to quickly change a lot of file names. I'm sure there's similar Emacs
file managers that do the same."
```

```
print_list <- lapply(1:nrow(data), function(i) {
```

```
  cat(paste0("* ", data[i, "name"]),
```

```
      " :PROPERTIES:",
```

```
      paste0(" :EXPORT_FILE_NAME: financial-reference-", substr(data[i, "account_new"], 8, 10
```

```
      " :END:",
```

```
      "#+latex: \\thispagestyle{empty} \\pagestyle{empty} \n",
```

```

paste0(text_1),


** Summary info,
  paste0("- spend target: $", data[i, "budget_total"]),
  paste0("- deptment #: 1234"),
  paste0("- project #: 00123"),
  paste0("- activity #: ", substr(data[i, "account_new"], 8, 10)),
  paste0("- account #: ", data[i, "account_new"]),
  ** General reference,
  paste0("- Financial Secretary: John Smith, jsmith@company.com"),
  paste0("- Administrator, Jane Doe, jdoe@company.com"),
  paste0("- Financial site (account balance, honorarium requests, etc.): [[http://www.importantlink.com/financial]]"),
  paste0("- Wiki (approximately everything you could want to know): [[http://www.importantlink.com/wiki]]"),
paste0(" - Please, please, /please/ check the wiki before contacing Jane or the Financial Secretary"),
#paste0("\newpage"),
** Frequently asked questions,
  paste0("- Ordering food: [[http://www.importantlink.com/link]]"),
  paste0("- How to set up [[http://www.importantlink.com/event_recording]]"),
  paste0("- Hosting an external speaker: [[http://www.importantlink.com/overview]]"),
  paste0("- [[http://www.importantlink.com/publicizing_an_event]]"),
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  paste0("- [[http://www.importantlink.com/ordering_supplies_gifts_etc_from_outside_vendors]]"),
  paste0("- Do I need to send /original/ receipts and/or invoices to Jane?"),
  paste0(" - *Restaurants:* /Always, always, always./ See [[http://www.importantlink.com/restaurants]]"),
  paste0(" - *Speaker-related:* /Almost/ always. Gas, taxi/car rental, and miscellaneous expenses"),
  paste0(" - *Rule of thumb:* If a paper document was provided, the original is required."),
  paste0("- What should I include in emails to the Financial Secretary and/or Jane?"),
  paste0(" - This actually doesn't get asked very often... but it's a /great/ question!"),
  paste0(" - First, be sure your answer isn't already in the [[http://www.importantlink.com/wiki]]"),
  paste0(" - As much information as possible: dates, numbers (voucher, order, etc.), specific details"),
  paste0(" - In short, send an overabundance of information, so much that it seems ridiculous"),
** Exporting,
paste0(text_2),
  sep = "\n")

  cat(paste0("\newpage", "\n"))

})


```