

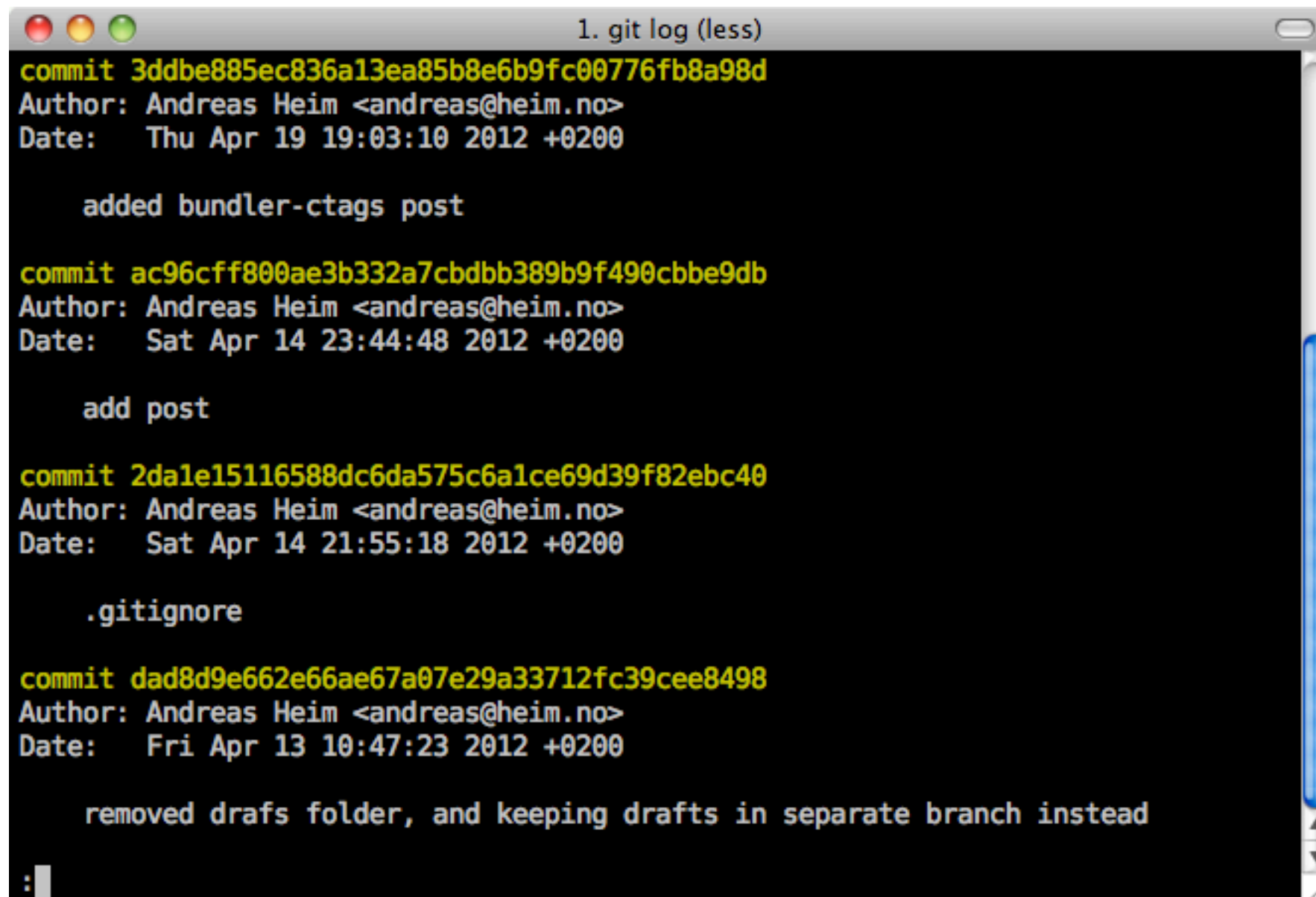
# *VISUALISERING AV KILDEKODE*

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*Javazone 2012*

*Andreas Heim*

# git log

A screenshot of a macOS terminal window titled "1. git log (less)". The window displays the output of the "git log" command, showing four commits by Andreas Heim. The commits are listed in reverse chronological order. Each commit entry includes the commit hash, the author's name and email, the date, and the commit message. The commit messages are: "added bundler-ctags post", "add post", ".gitignore", and "removed drafts folder, and keeping drafts in separate branch instead". The terminal window has a standard macOS title bar with red, yellow, and green window control buttons. A vertical scrollbar is visible on the right side of the terminal window.

```
1. git log (less)
commit 3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d
Author: Andreas Heim <andreas@heim.no>
Date: Thu Apr 19 19:03:10 2012 +0200

    added bundler-ctags post

commit ac96cff800ae3b332a7cbdbb389b9f490cbbe9db
Author: Andreas Heim <andreas@heim.no>
Date: Sat Apr 14 23:44:48 2012 +0200

    add post

commit 2da1e15116588dc6da575c6a1ce69d39f82ebc40
Author: Andreas Heim <andreas@heim.no>
Date: Sat Apr 14 21:55:18 2012 +0200

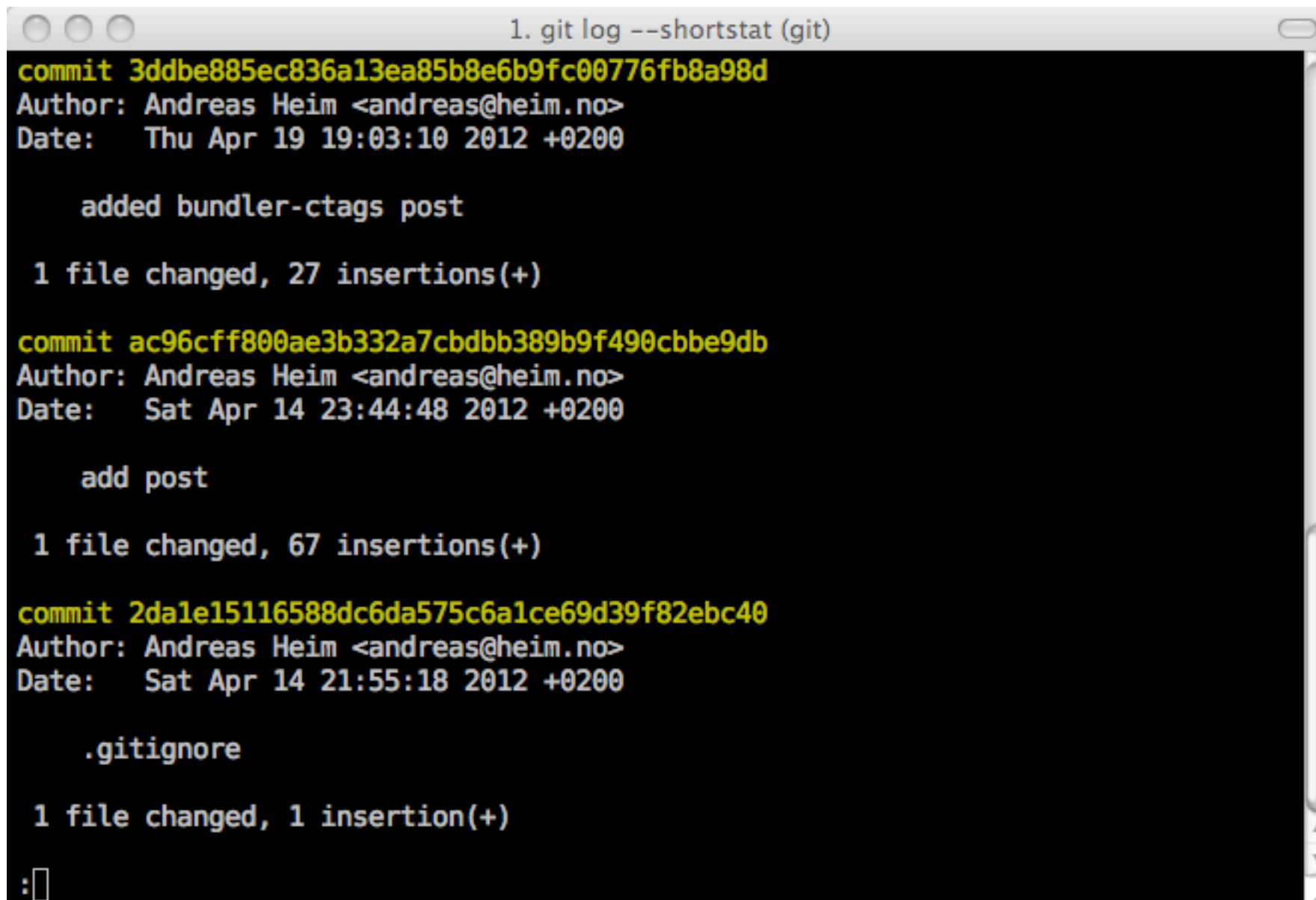
    .gitignore

commit dad8d9e662e66ae67a07e29a33712fc39cee8498
Author: Andreas Heim <andreas@heim.no>
Date: Fri Apr 13 10:47:23 2012 +0200

    removed drafts folder, and keeping drafts in separate branch instead

:
```

# git log --shortstat

A terminal window titled "1. git log --shortstat (git)" displays the output of the command. The output shows three commits by Andreas Heim. The first commit (3ddb885) added a post, the second (ac96cff) added a post, and the third (2da1e15) added a .gitignore file. Each commit entry includes the commit hash, author, date, description, and a shortstat summary.

```
1. git log --shortstat (git)
commit 3ddb885ec836a13ea85b8e6b9fc00776fb8a98d
Author: Andreas Heim <andreas@heim.no>
Date: Thu Apr 19 19:03:10 2012 +0200

    added bundler-ctags post

    1 file changed, 27 insertions(+)

commit ac96cff800ae3b332a7cbddb389b9f490cbbe9db
Author: Andreas Heim <andreas@heim.no>
Date: Sat Apr 14 23:44:48 2012 +0200

    add post

    1 file changed, 67 insertions(+)

commit 2da1e15116588dc6da575c6a1ce69d39f82ebc40
Author: Andreas Heim <andreas@heim.no>
Date: Sat Apr 14 21:55:18 2012 +0200

    .gitignore

    1 file changed, 1 insertion(+)

:[]
```

shell

regneark

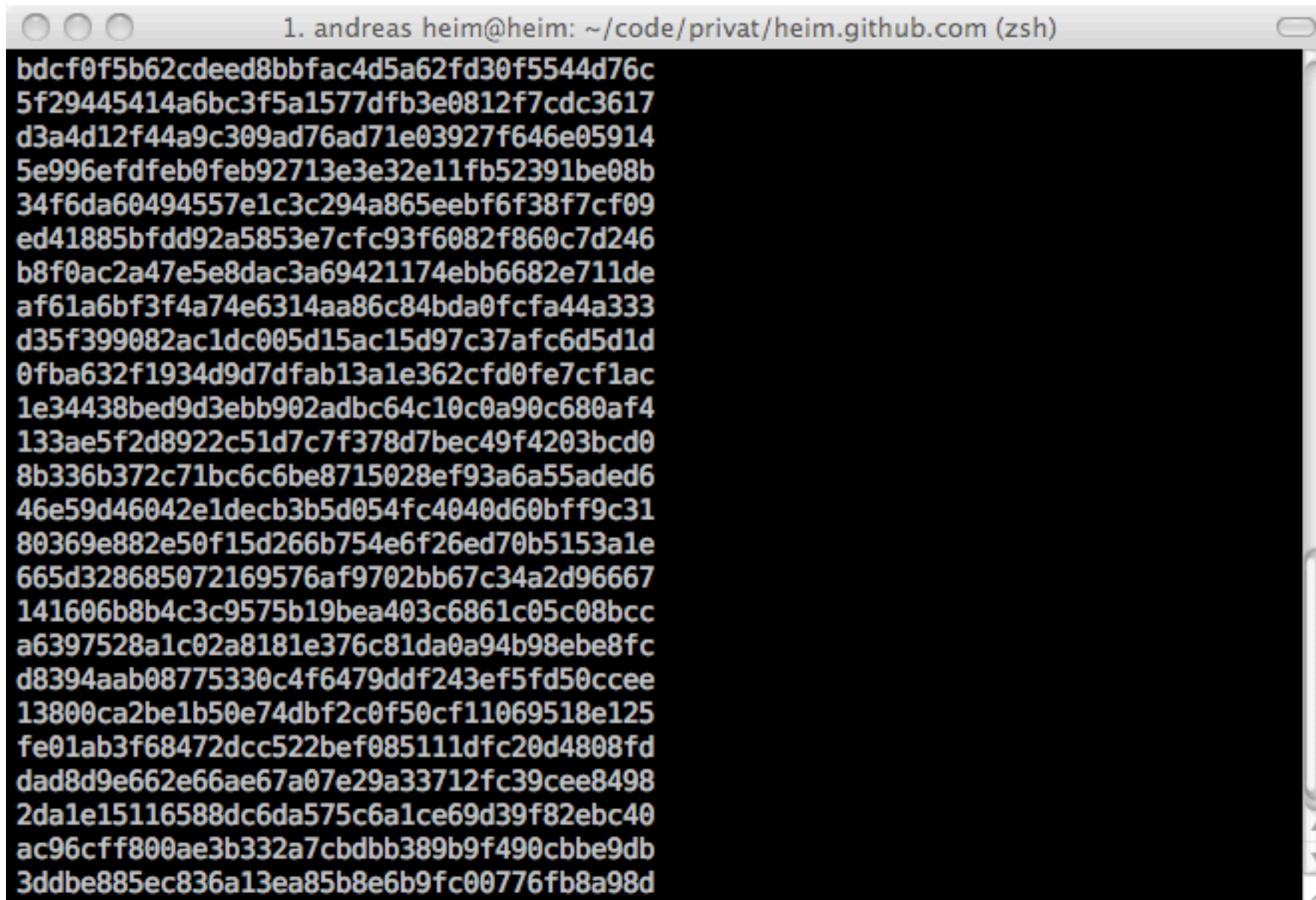
<https://github.com/heim/jz12-visualisering-av-kildekode>

oppgave #1

finne størrelse (antall kodelinjer) over tid

# liste alle revisjoner

git rev-list --reverse HEAD



```
1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)
bdcf0f5b62cdeed8bbfac4d5a62fd30f5544d76c
5f29445414a6bc3f5a1577dfb3e0812f7cdc3617
d3a4d12f44a9c309ad76ad71e03927f646e05914
5e996efdfeb0feb92713e3e32e11fb52391be08b
34f6da60494557e1c3c294a865eebf6f38f7cf09
ed41885bfdd92a5853e7cfc93f6082f860c7d246
b8f0ac2a47e5e8dac3a69421174ebb6682e711de
af61a6bf3f4a74e6314aa86c84bda0fcfa44a333
d35f399082ac1dc005d15ac15d97c37afc6d5d1d
0fba632f1934d9d7dfab13a1e362cfd0fe7cf1ac
1e34438bed9d3ebb902adbc64c10c0a90c680af4
133ae5f2d8922c51d7c7f378d7bec49f4203bcd0
8b336b372c71bc6c6be8715028ef93a6a55aded6
46e59d46042e1dec3b5d054fc4040d60bff9c31
80369e882e50f15d266b754e6f26ed70b5153a1e
665d328685072169576af9702bb67c34a2d96667
141606b8b4c3c9575b19bea403c6861c05c08bcc
a6397528a1c02a8181e376c81da0a94b98ebe8fc
d8394aab08775330c4f6479ddf243ef5fd50ccee
13800ca2be1b50e74dbf2c0f50cf11069518e125
fe01ab3f68472dcc522bef085111dfc20d4808fd
dad8d9e662e66ae67a07e29a33712fc39cee8498
2da1e15116588dc6da575c6a1ce69d39f82ebc40
ac96cff800ae3b332a7cbdbb389b9f490cbbe9db
3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d
```



# finne innhold i en revisjon

## git ls-tree 0fba632f1934

```
1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)
100644 blob fe0d83156165b2c59fc1f99822cc4258e497af40 .rbenv-version
100644 blob 6904bcd60efe9315801621c3c36d805f7963148 404.html
100644 blob 5c23dacf55300e85a79986c882a87d1cbdd0648 CNAME
100644 blob cd550080075ec51255f313ffe5a598cb5f226d09 Gemfile
100644 blob 3f5fdd781c05da36cdbe8fbe15a991e9df37a936 Gemfile.lock
100644 blob 4405c89a2798267de8a8d7514d740e8ad2c6a761 README.md
100644 blob 3abf4e919ae68778391fb63132ee1677090cbb39 Rakefile
100644 blob 1bdf14b3cd7e5fc5053245bb82d8a6dc45fe41c8 _config.yml
040000 tree cc0d5775ae66d000e782cdc4d8851ac1be8b1e2e _includes
040000 tree 81639fa1c624c4bbf1dd9ceca3d4667d9fd380a0 _layouts
040000 tree 549880a59e59babf52663b452dfc4b4a07ee044a _plugins
040000 tree de053b40d27a69e09d55fe6c11f25a53f5a95b9d _posts
100644 blob dc7c0540e3129bcb7a27e617063d77a152ca67f8 archive.html
040000 tree 3d1b1bca0bfc62800b78cc3babcc2108a09e699 assets
100644 blob f088ba400382b71766f85100be2eb60e40797a30 atom.xml
040000 tree 753c89f7518d556ca5b11a79c769bfd4887e7f95 attachments
100644 blob cdb8789f50d9bf06bf764afc3ce2afb147e939f8 categories.html
040000 tree d564d0bc3dd917926892c55e3706cc116d5b165e images
100644 blob 88b3ddc391d822488d8948b65f07e9c39479cef5 index.md
040000 tree d564d0bc3dd917926892c55e3706cc116d5b165e javascripts
040000 tree f581aeccaa67d7ef3e8f687f90a901ada6d1b5cb old_site
100644 blob bde1a329fc3c65fe527d16bd5fa7e97e764c1716 pages.html
100644 blob 25c568f502b97fe5a976a0c2cf7d51674293359f sitemap.txt
100644 blob 5e216cb3b2172022f251b67aca7db4ba2bad05cb tags.html
100644 blob 2cd0e612d1dcc840646090e5661923b6eb52de05 talks.html
```

finne *\*alt\** innhold i en revisjon

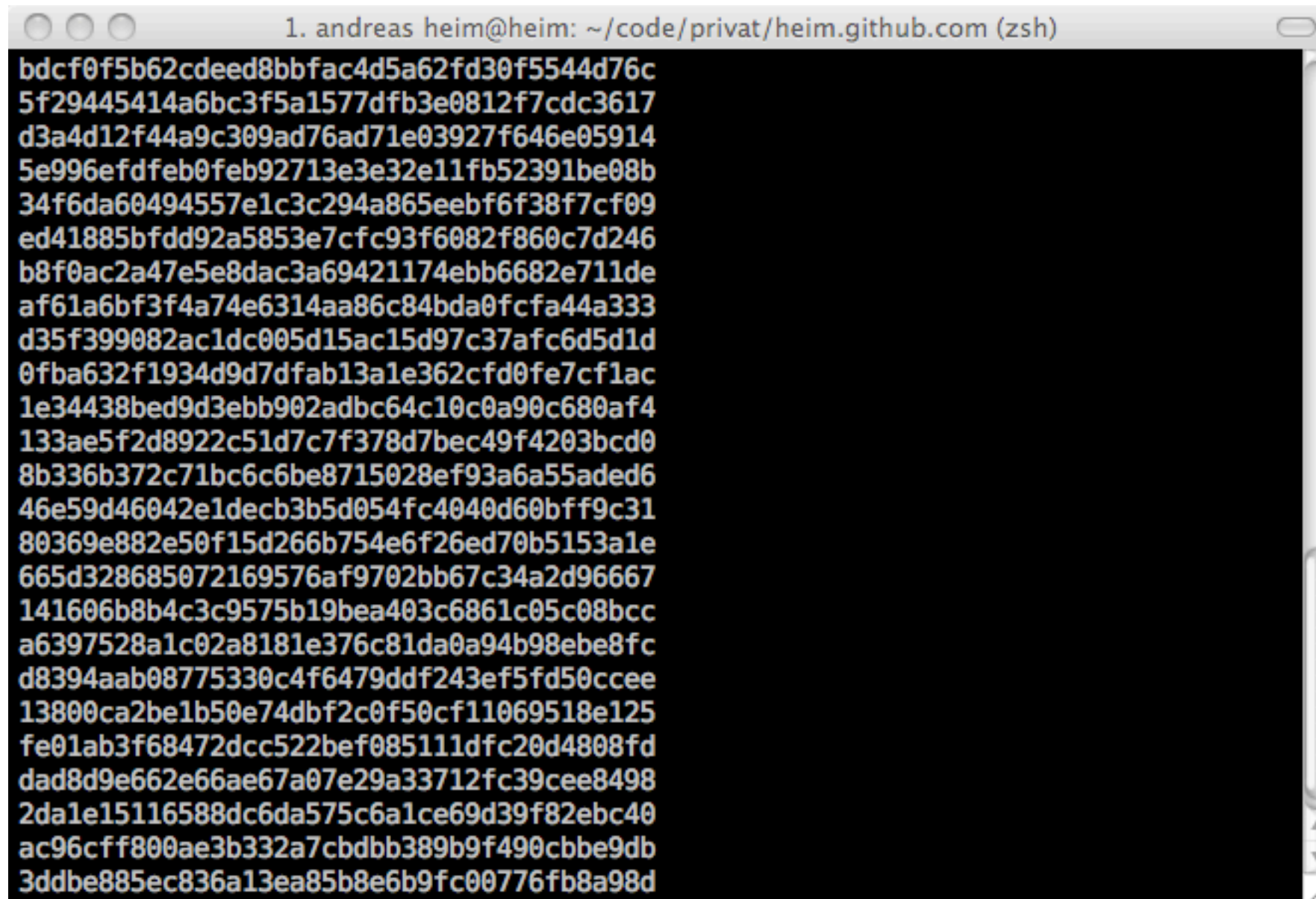
git ls-tree -r 0fba632f1934

```
1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)
100644 blob 704b80392b19c421d7b8a2674ec2b12260fae2e4    _includes/JB/comments-pr
providers/livefyre
100644 blob a5c178323ebf5d0fdf15318271f79fc22e6c37e5    _includes/JB/liquid_raw
100644 blob 42f827a8c74e16909395b9823637cdd64edfb08d    _includes/JB/pages_list
100644 blob f612ade871af7280dfc32727d0f6f4922c792f64    _includes/JB/posts_colla
te
100644 blob efcd84b002a6cd4aac9b6c2ae74c84fd7e9c16b4    _includes/JB/setup
100644 blob f5b11518bd2e5ca9636ad6c7f474f16379f34e90    _includes/JB/sharing
100644 blob 871fa5be42bc0acbcef9cf56e7b5418ceae3de39    _includes/JB/tags_list
100644 blob 0337f5380a0e34d57a5629f66661b803452d802c    _includes/themes/heim/de
fault.html
100644 blob 8c753b9285bfd76d1f7f38e2047a89bceff7cdac    _includes/themes/heim/pa
ge.html
100644 blob 088407acc901b4d1d2ae082cbadf82dbdb176e6d    _includes/themes/heim/po
st.html
100644 blob 787d30601cace3b8734946a8e9a9e6cdf876c788    _includes/themes/heim/se
ttings.yml
100644 blob 45d0ba37d612bf7e0cafbf0ee2c960b46eab93bf    _layouts/default.html
100644 blob 4a80f5efcaab33a7f4987ae359c0dd63ddc36001    _layouts/page.html
100644 blob 8b7726d4f3ca19b81ca123b00161111c0be6ea6a    _layouts/post.html
100644 blob e69de29bb2d1d6434b8b29ae775ad8c2e48c5391    _plugins/.gitkeep
100644 blob e1dde3979ad59866f26d7d50cd45a315c74d57ac    _plugins/debug.rb
100644 blob e69de29bb2d1d6434b8b29ae775ad8c2e48c5391    _posts/.gitkeep
100644 blob 3a1aeba669f43b4de056422a1e633bc029e2f818    _posts/2012-04-12-some-s
mall-vim-tips.md
```



# plukke ut blob-id'en

```
git ls-tree -r <rev> | awk '{print $3}'
```



```
1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)
bdcf0f5b62cdeed8bbfac4d5a62fd30f5544d76c
5f29445414a6bc3f5a1577dfb3e0812f7cdc3617
d3a4d12f44a9c309ad76ad71e03927f646e05914
5e996efdfeb0feb92713e3e32e11fb52391be08b
34f6da60494557e1c3c294a865eebf6f38f7cf09
ed41885bfdd92a5853e7cfc93f6082f860c7d246
b8f0ac2a47e5e8dac3a69421174ebb6682e711de
af61a6bf3f4a74e6314aa86c84bda0fcfa44a333
d35f399082ac1dc005d15ac15d97c37afc6d5d1d
0fba632f1934d9d7dfab13a1e362cfd0fe7cf1ac
1e34438bed9d3ebb902adbc64c10c0a90c680af4
133ae5f2d8922c51d7c7f378d7bec49f4203bcd0
8b336b372c71bc6c6be8715028ef93a6a55aded6
46e59d46042e1dec3b5d054fc4040d60bff9c31
80369e882e50f15d266b754e6f26ed70b5153a1e
665d328685072169576af9702bb67c34a2d96667
141606b8b4c3c9575b19bea403c6861c05c08bcc
a6397528a1c02a8181e376c81da0a94b98ebe8fc
d8394aab08775330c4f6479ddf243ef5fd50ccee
13800ca2be1b50e74dbf2c0f50cf11069518e125
fe01ab3f68472dcc522bef085111dfc20d4808fd
dad8d9e662e66ae67a07e29a33712fc39cee8498
2da1e15116588dc6da575c6a1ce69d39f82ebc40
ac96cff800ae3b332a7cbdbb389b9f490cbbe9db
3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d
```

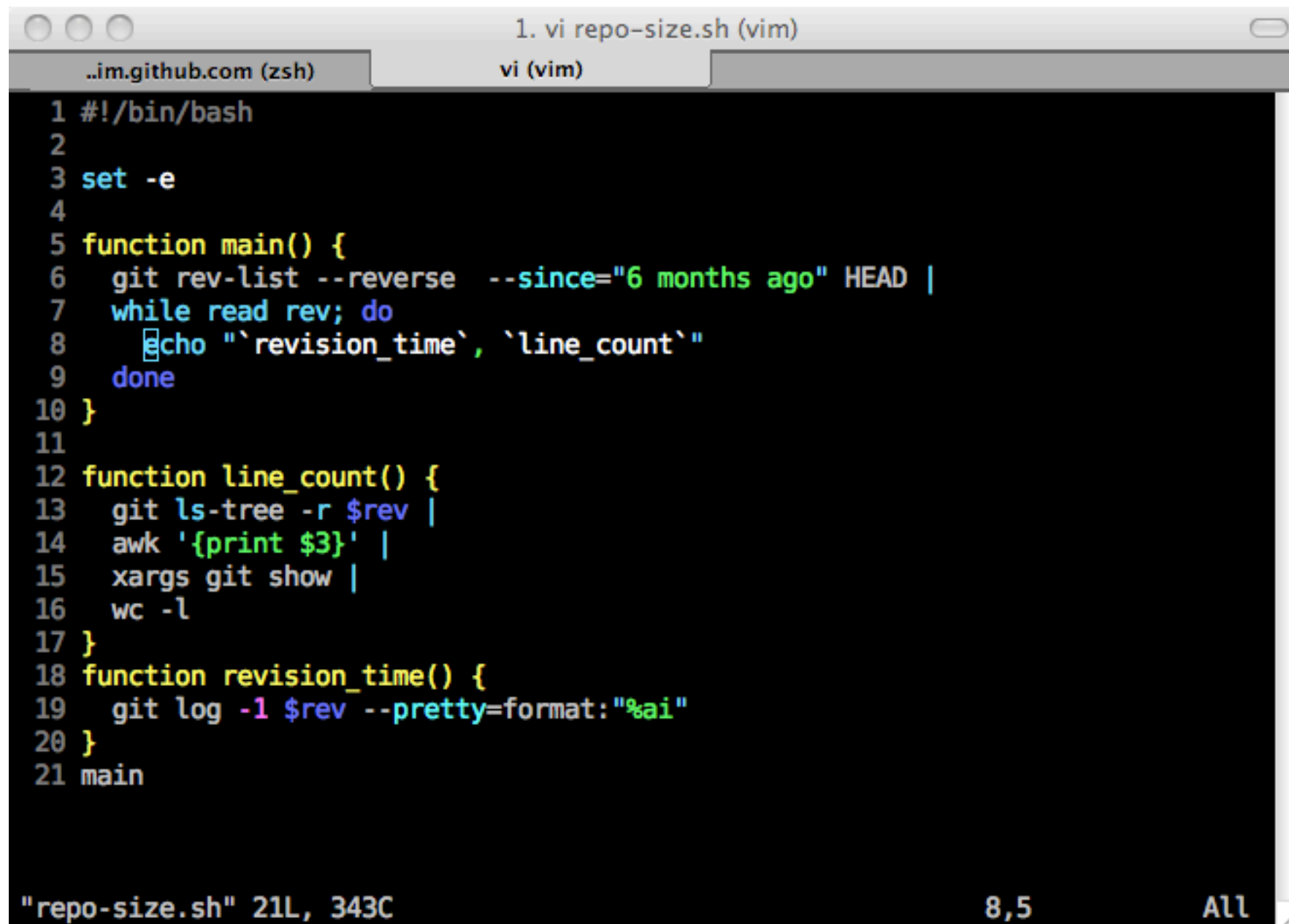
sy det sammen pt. I

```
git ls-tree -r <rev> | awk '{print $3}' |  
xargs git show | wc -l
```



```
1. andreas heim@heim: ~/code/privat/heim.github.com (zsh)  
→ heim.github.com (master) x 4m# git ls-tree -r d35f399082ac1dc005d15ac15d97c3  
7afc6d5d1d | awk '{print $3}' | xargs git show | wc -l  
26767  
→ heim.github.com (master) x 4m#
```

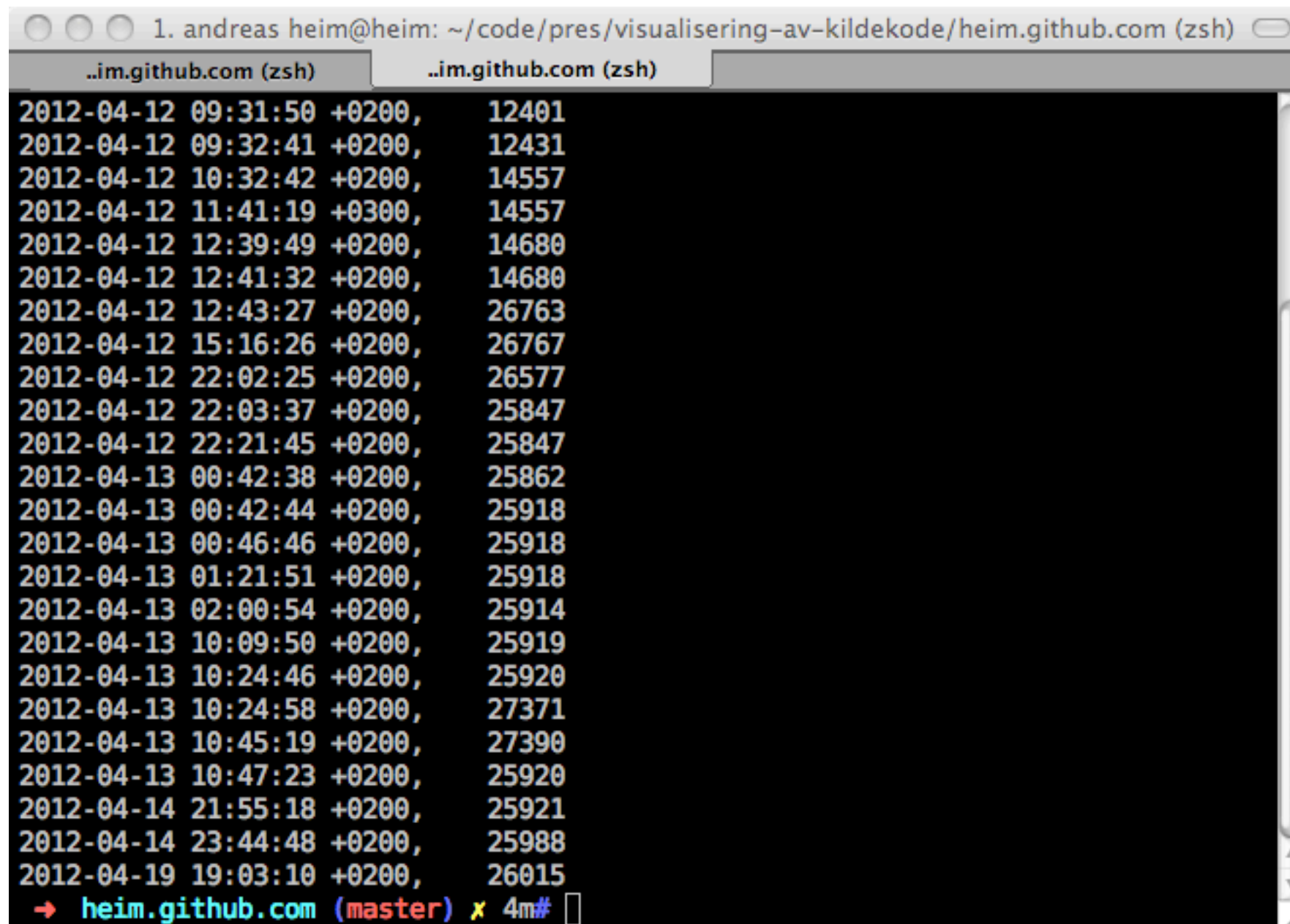
## sy det sammen pt. 2



```
1. vi repo-size.sh (vim)
..im.github.com (zsh)  vi (vim)
1 #!/bin/bash
2
3 set -e
4
5 function main() {
6     git rev-list --reverse --since="6 months ago" HEAD |
7     while read rev; do
8         echo "`revision_time`, `line_count`"
9     done
10 }
11
12 function line_count() {
13     git ls-tree -r $rev |
14     awk '{print $3}' |
15     xargs git show |
16     wc -l
17 }
18 function revision_time() {
19     git log -1 $rev --pretty=format:"%ai"
20 }
21 main

"repo-size.sh" 21L, 343C 8,5 All
```

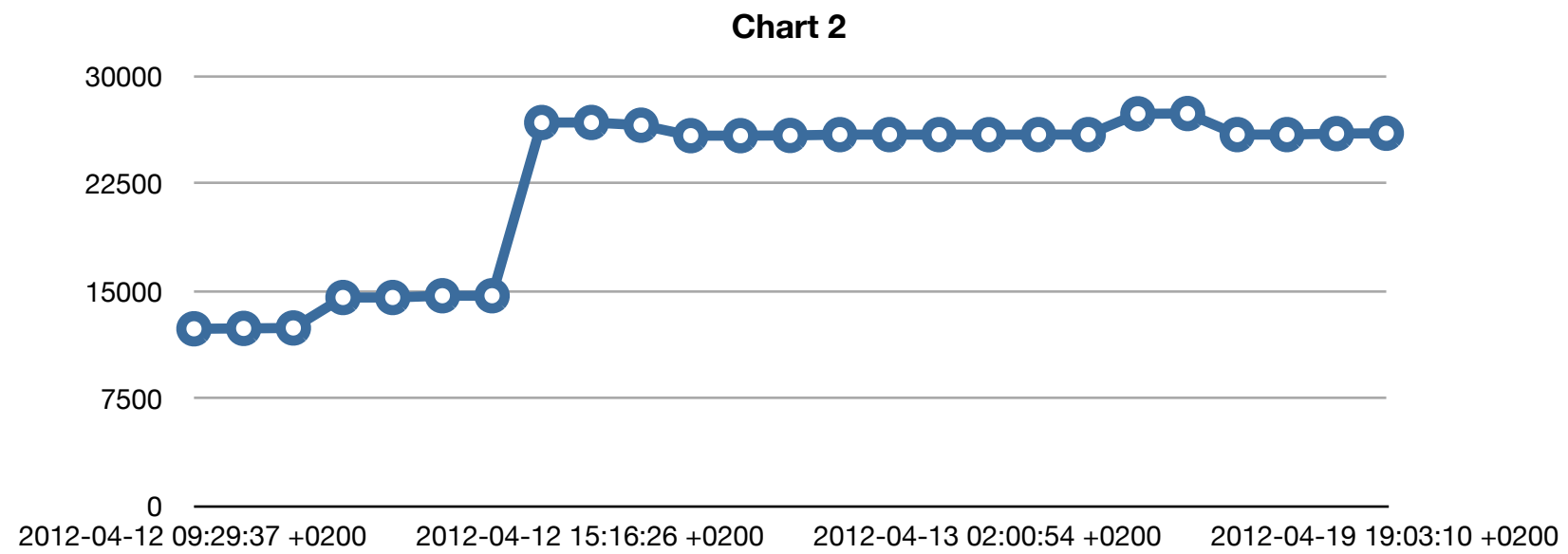
# output



A terminal window with a title bar showing '1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)'. The terminal has two tabs, both labeled '..im.github.com (zsh)'. The main content is a list of 25 lines, each containing a timestamp, an offset, and a commit ID. The timestamps range from 2012-04-12 09:31:50 to 2012-04-19 19:03:10. The offsets are mostly +0200, with one +0300. The commit IDs are integers ranging from 12401 to 26015. At the bottom, there is a prompt 'heim.github.com (master) x 4m#' followed by a cursor.

```
2012-04-12 09:31:50 +0200, 12401
2012-04-12 09:32:41 +0200, 12431
2012-04-12 10:32:42 +0200, 14557
2012-04-12 11:41:19 +0300, 14557
2012-04-12 12:39:49 +0200, 14680
2012-04-12 12:41:32 +0200, 14680
2012-04-12 12:43:27 +0200, 26763
2012-04-12 15:16:26 +0200, 26767
2012-04-12 22:02:25 +0200, 26577
2012-04-12 22:03:37 +0200, 25847
2012-04-12 22:21:45 +0200, 25847
2012-04-13 00:42:38 +0200, 25862
2012-04-13 00:42:44 +0200, 25918
2012-04-13 00:46:46 +0200, 25918
2012-04-13 01:21:51 +0200, 25918
2012-04-13 02:00:54 +0200, 25914
2012-04-13 10:09:50 +0200, 25919
2012-04-13 10:24:46 +0200, 25920
2012-04-13 10:24:58 +0200, 27371
2012-04-13 10:45:19 +0200, 27390
2012-04-13 10:47:23 +0200, 25920
2012-04-14 21:55:18 +0200, 25921
2012-04-14 23:44:48 +0200, 25988
2012-04-19 19:03:10 +0200, 26015
→ heim.github.com (master) x 4m#
```

# output



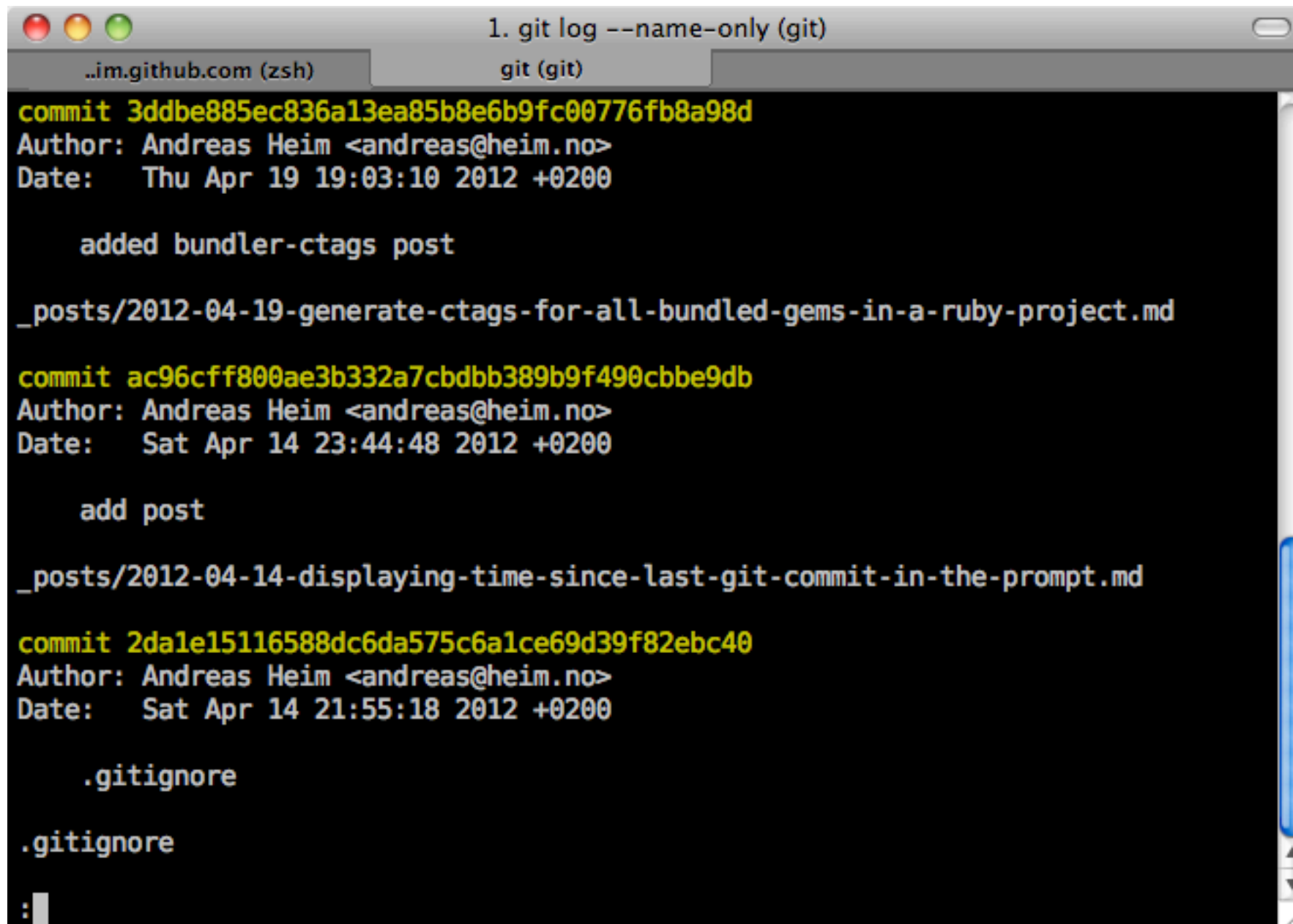


#2 churn

hvor mange ganger en fil har endret seg

liste filer

git log --name-only

A screenshot of a macOS terminal window. The title bar shows three colored window control buttons (red, yellow, green) on the left and a close button on the right. The window has two tabs: the first tab is labeled '..im.github.com (zsh)' and the second tab is labeled '1. git log --name-only (git)'. The terminal content shows the output of the 'git log --name-only' command, listing three commits. Each commit entry includes the commit hash, author information, date, and the files added or modified. The first commit added a post about generating ctags. The second commit added a post about displaying time since last git commit. The third commit added a .gitignore file.

```
commit 3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d
Author: Andreas Heim <andreas@heim.no>
Date:   Thu Apr 19 19:03:10 2012 +0200

    added bundler-ctags post

_posts/2012-04-19-generate-ctags-for-all-bundled-gems-in-a-ruby-project.md

commit ac96cff800ae3b332a7cbdbb389b9f490cbbe9db
Author: Andreas Heim <andreas@heim.no>
Date:   Sat Apr 14 23:44:48 2012 +0200

    add post

_posts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md

commit 2dale15116588dc6da575c6a1ce69d39f82ebc40
Author: Andreas Heim <andreas@heim.no>
Date:   Sat Apr 14 21:55:18 2012 +0200

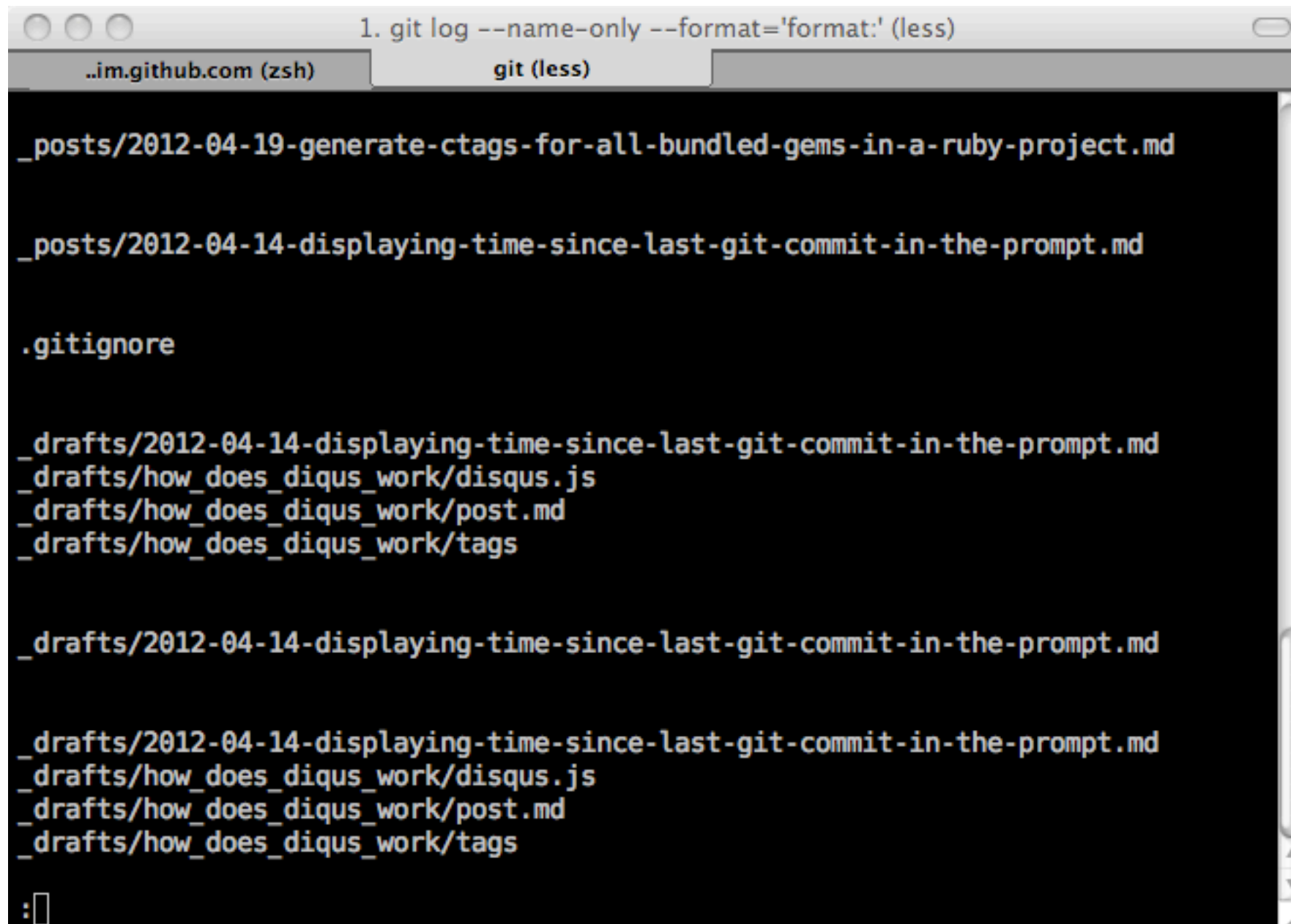
    .gitignore

.gitignore

:
```

## liste filer pt 2

git log --name-only --format='format:'



```
1. git log --name-only --format='format:' (less)
..im.github.com (zsh)  git (less)

_posts/2012-04-19-generate-ctags-for-all-bundled-gems-in-a-ruby-project.md

_posts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md

.gitignore

_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/disqus.js
_drafts/how_does_diquis_work/post.md
_drafts/how_does_diquis_work/tags

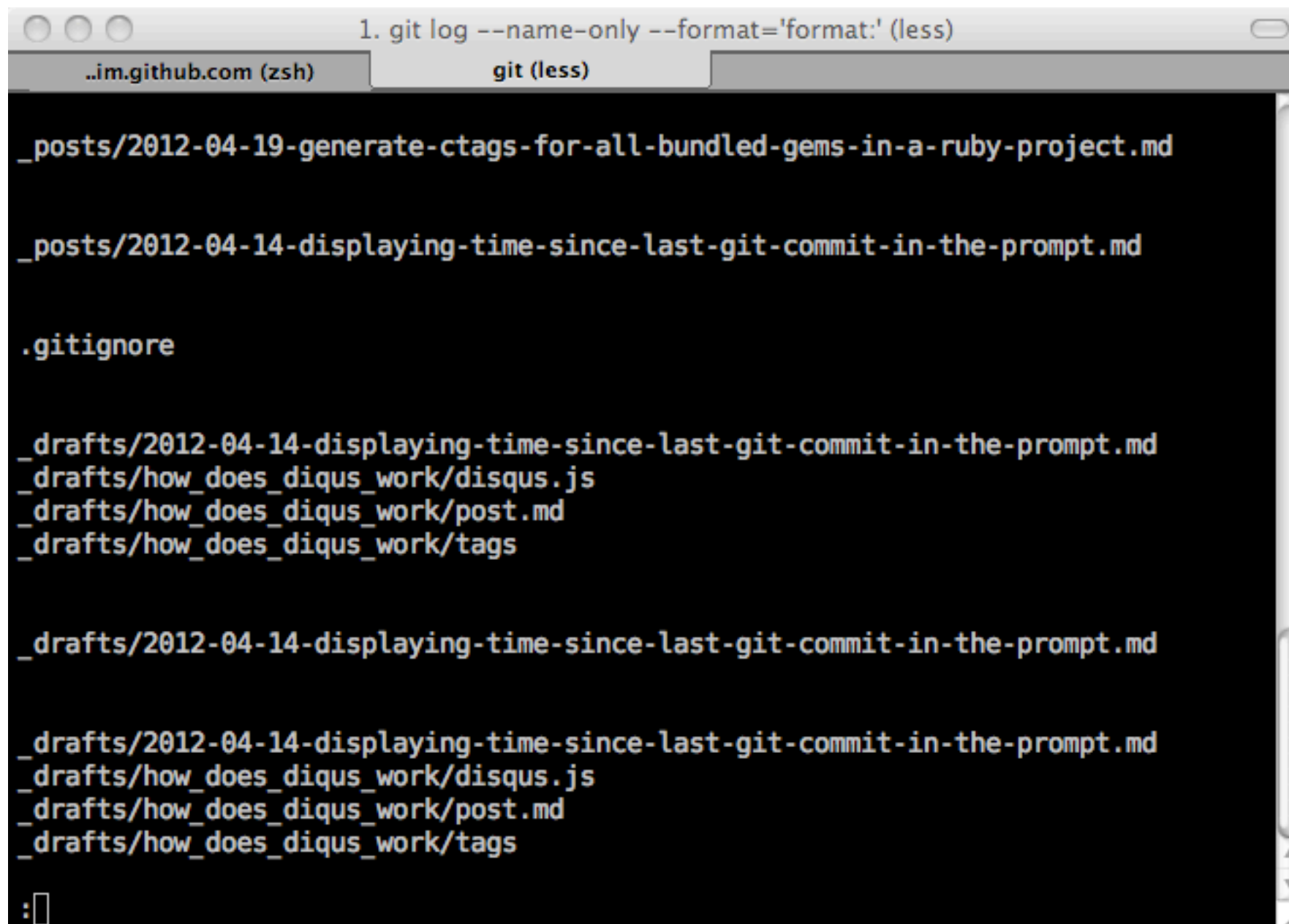
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md

_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/disqus.js
_drafts/how_does_diquis_work/post.md
_drafts/how_does_diquis_work/tags

: 
```

## liste filer pt 3

`git log --name-only -M -C --format='format:'`



```
1. git log --name-only --format='format:' (less)
..im.github.com (zsh)  git (less)

_posts/2012-04-19-generate-ctags-for-all-bundled-gems-in-a-ruby-project.md

_posts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md

.gitignore

_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/disqus.js
_drafts/how_does_diquis_work/post.md
_drafts/how_does_diquis_work/tags

_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md

_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md
_drafts/how_does_diquis_work/disqus.js
_drafts/how_does_diquis_work/post.md
_drafts/how_does_diquis_work/tags

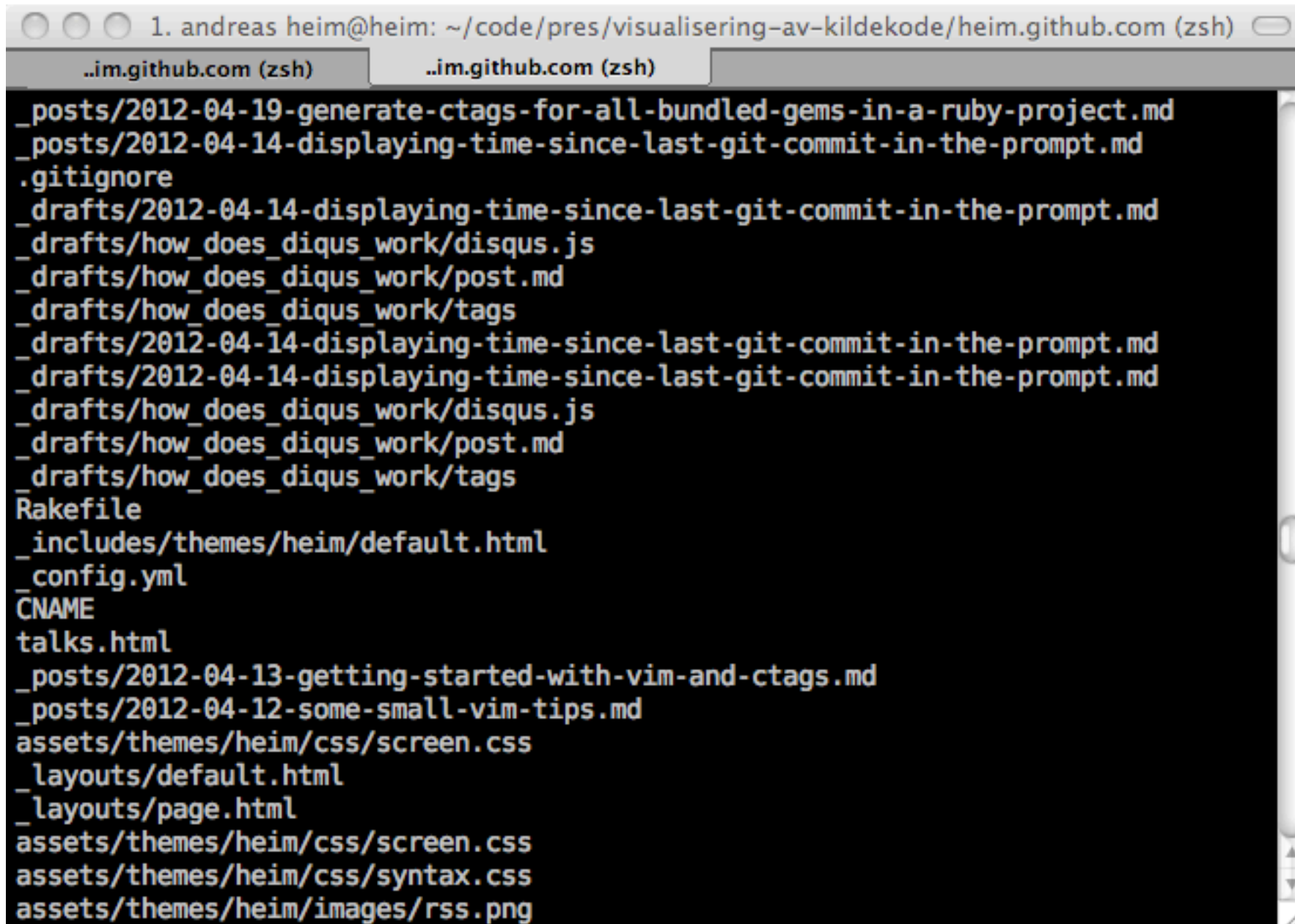
:|
```

`-M` = renames

`-C` = copies

# liste filer pt 4, fjerne whitespace

```
git log --name-only -M -C --format='format:' |  
grep -v '^$'
```



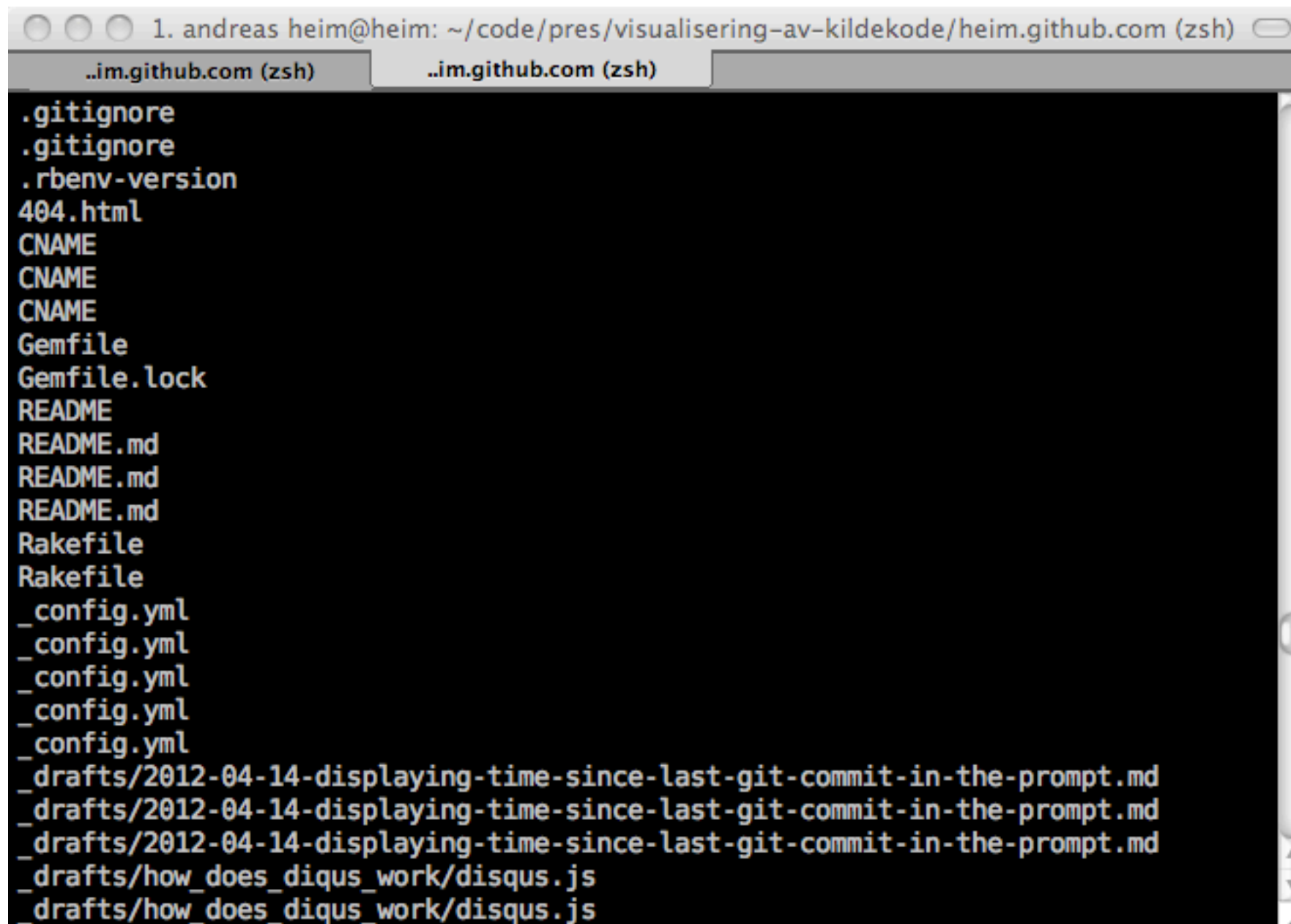
A terminal window with a dark background and light-colored text. The window title is "1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)". The terminal shows the output of the command `git log --name-only -M -C --format='format:' | grep -v '^$'`. The output is a list of file names, including drafts, posts, and assets, with some files appearing multiple times. The files listed are:

```
_posts/2012-04-19-generate-ctags-for-all-bundled-gems-in-a-ruby-project.md  
_posts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
.gitignore  
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
_drafts/how_does_diquis_work/disqus.js  
_drafts/how_does_diquis_work/post.md  
_drafts/how_does_diquis_work/tags  
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
_drafts/how_does_diquis_work/disqus.js  
_drafts/how_does_diquis_work/post.md  
_drafts/how_does_diquis_work/tags  
Rakefile  
_includes/themes/heim/default.html  
_config.yml  
CNAME  
talks.html  
_posts/2012-04-13-getting-started-with-vim-and-ctags.md  
_posts/2012-04-12-some-small-vim-tips.md  
assets/themes/heim/css/screen.css  
_layouts/default.html  
_layouts/page.html  
assets/themes/heim/css/screen.css  
assets/themes/heim/css/syntax.css  
assets/themes/heim/images/rss.png
```



# Telle filer pt I

```
git log --name-only -M -C --format='format:' |  
grep -v '^$' | sort
```

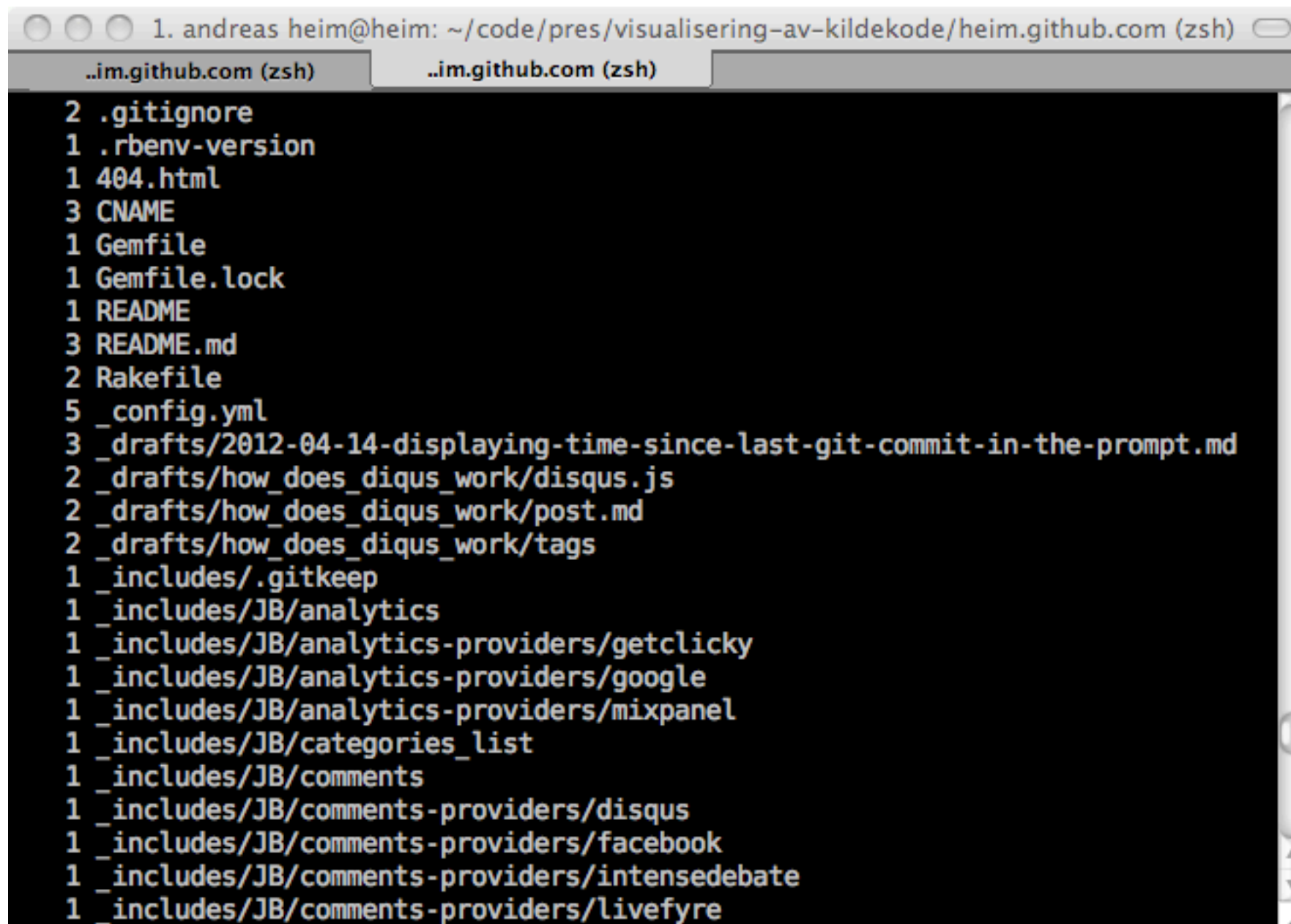


A terminal window with a dark background and light-colored text. The window title bar shows the command prompt: `1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)`. Below the title bar, there are two tabs, both labeled `..im.github.com (zsh)`. The terminal displays the output of the command `git log --name-only -M -C --format='format:' | grep -v '^$' | sort`. The output is a list of file names, including `.gitignore`, `.rbenv-version`, `404.html`, `CNAME`, `Gemfile`, `Gemfile.lock`, `README`, `README.md`, `Rakefile`, `_config.yml`, and several draft files in the `_drafts/` directory. The list is sorted alphabetically.

```
.gitignore  
.gitignore  
.rbenv-version  
404.html  
CNAME  
CNAME  
CNAME  
Gemfile  
Gemfile.lock  
README  
README.md  
README.md  
README.md  
Rakefile  
Rakefile  
_config.yml  
_config.yml  
_config.yml  
_config.yml  
_config.yml  
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
_drafts/how_does_diquis_work/diquis.js  
_drafts/how_does_diquis_work/diquis.js
```

## Telle filer pt 2

```
git log --name-only -M -C --format='format:' |  
grep -v '^$' | sort | uniq -c
```

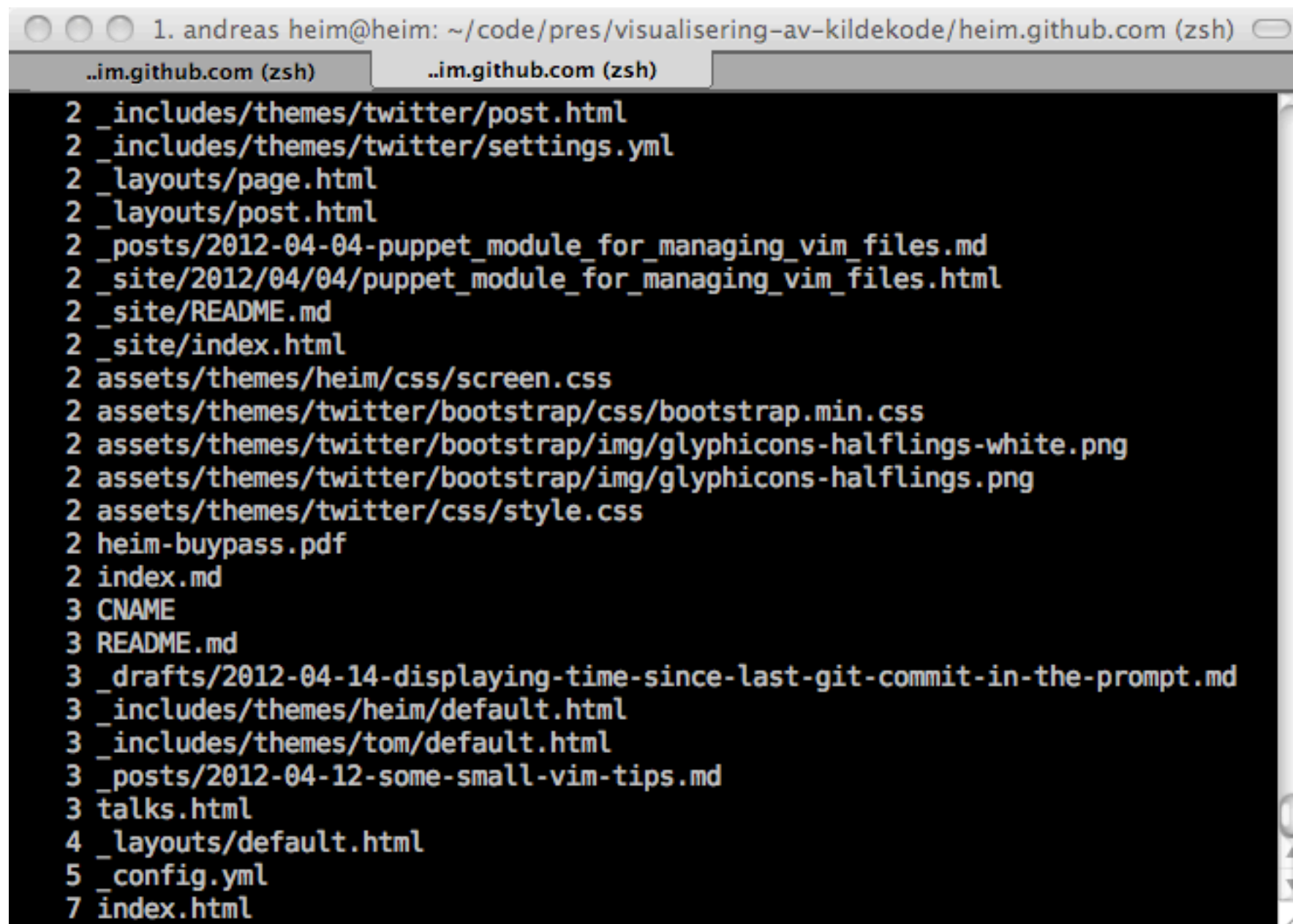


A terminal window with a dark background and light-colored text. The window title bar shows the command prompt: `1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)`. Below the title bar, there are two tabs, both labeled `..im.github.com (zsh)`. The main area of the terminal displays the output of the `git log` command, showing a list of files and their commit counts. The files are listed in descending order of commit count. The output is as follows:

```
2 .gitignore  
1 .rbenv-version  
1 404.html  
3 CNAME  
1 Gemfile  
1 Gemfile.lock  
1 README  
3 README.md  
2 Rakefile  
5 _config.yml  
3 _drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
2 _drafts/how_does_diquis_work/diquis.js  
2 _drafts/how_does_diquis_work/post.md  
2 _drafts/how_does_diquis_work/tags  
1 _includes/.gitkeep  
1 _includes/JB/analytics  
1 _includes/JB/analytics-providers/getclicky  
1 _includes/JB/analytics-providers/google  
1 _includes/JB/analytics-providers/mixpanel  
1 _includes/JB/categories_list  
1 _includes/JB/comments  
1 _includes/JB/comments-providers/diquis  
1 _includes/JB/comments-providers/facebook  
1 _includes/JB/comments-providers/intensedebate  
1 _includes/JB/comments-providers/livefyre
```

# Telle filer pt 3

```
git log --name-only -M -C --format='format:' |  
grep -v '^$' | sort | uniq -c | sort
```

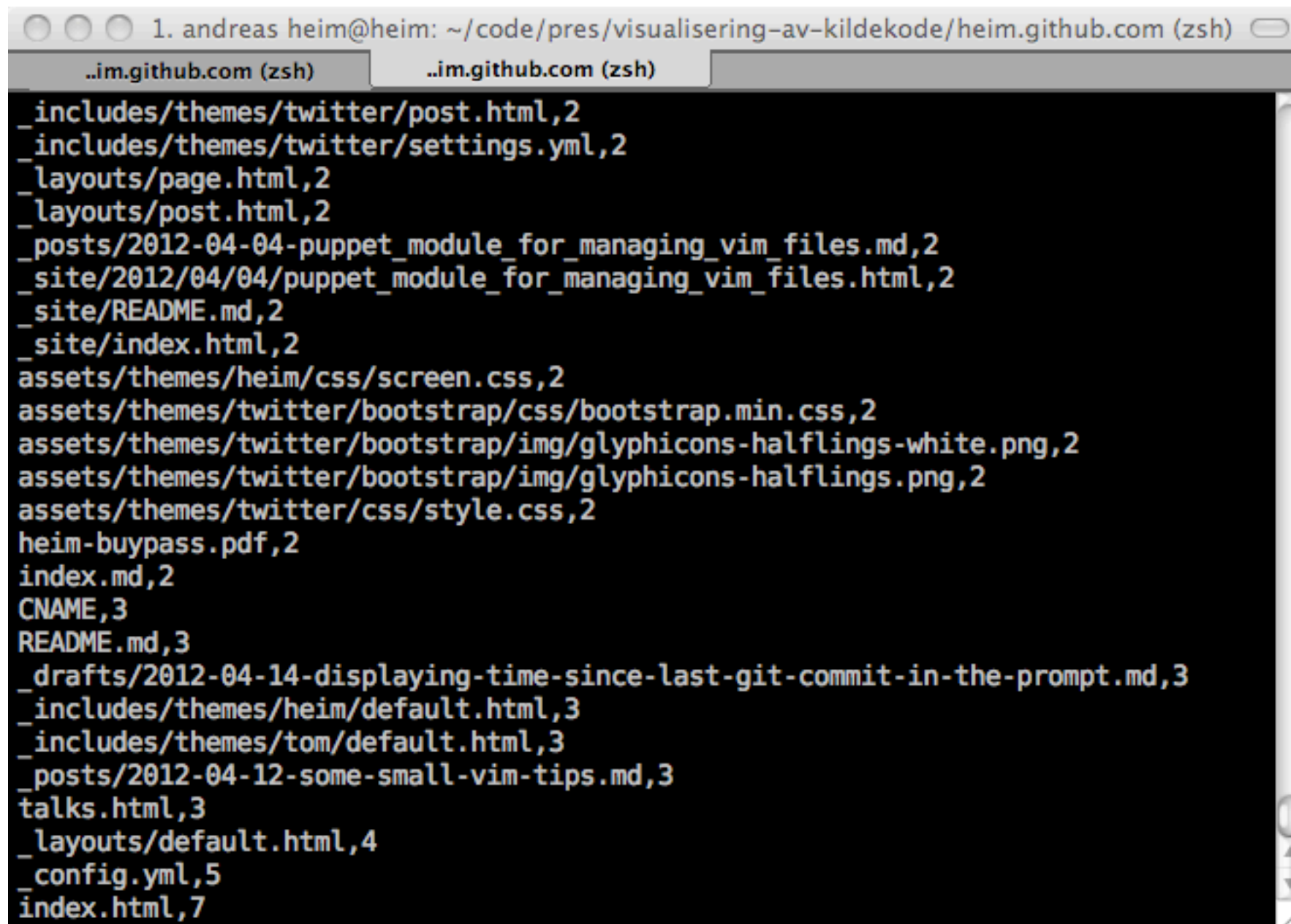


A terminal window with a dark background and light-colored text. The window title is "1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)". There are two tabs open, both labeled "..im.github.com (zsh)". The terminal displays the output of the command shown in the previous block, listing files and their counts. The output is as follows:

```
2 _includes/themes/twitter/post.html  
2 _includes/themes/twitter/settings.yml  
2 _layouts/page.html  
2 _layouts/post.html  
2 _posts/2012-04-04-puppet_module_for_managing_vim_files.md  
2 _site/2012/04/04/puppet_module_for_managing_vim_files.html  
2 _site/README.md  
2 _site/index.html  
2 assets/themes/heim/css/screen.css  
2 assets/themes/twitter/bootstrap/css/bootstrap.min.css  
2 assets/themes/twitter/bootstrap/img/glyphicons-halflings-white.png  
2 assets/themes/twitter/bootstrap/img/glyphicons-halflings.png  
2 assets/themes/twitter/css/style.css  
2 heim-buypass.pdf  
2 index.md  
3 CNAME  
3 README.md  
3 _drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md  
3 _includes/themes/heim/default.html  
3 _includes/themes/tom/default.html  
3 _posts/2012-04-12-some-small-vim-tips.md  
3 talks.html  
4 _layouts/default.html  
5 _config.yml  
7 index.html
```

awk <3

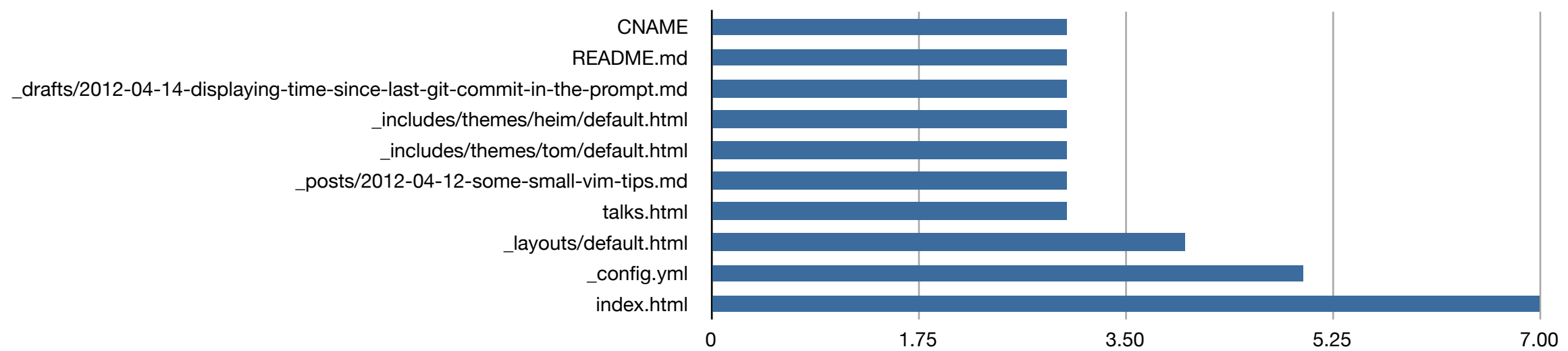
```
git log --name-only -M -C --format='format:' |  
grep -v '^$' | sort | uniq -c | sort |  
awk '{print $2 "," $1}'
```



A terminal window with a dark background and light-colored text. The window title bar shows the user '1. andreas heim@heim' and the directory '~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)'. There are two tabs open, both labeled '..im.github.com (zsh)'. The terminal displays the output of the command, listing files and their commit counts, sorted by frequency. The output is as follows:

```
_includes/themes/twitter/post.html,2  
_includes/themes/twitter/settings.yml,2  
_layouts/page.html,2  
_layouts/post.html,2  
_posts/2012-04-04-puppet_module_for_managing_vim_files.md,2  
_site/2012/04/04/puppet_module_for_managing_vim_files.html,2  
_site/README.md,2  
_site/index.html,2  
assets/themes/heim/css/screen.css,2  
assets/themes/twitter/bootstrap/css/bootstrap.min.css,2  
assets/themes/twitter/bootstrap/img/glyphicons-halflings-white.png,2  
assets/themes/twitter/bootstrap/img/glyphicons-halflings.png,2  
assets/themes/twitter/css/style.css,2  
heim-buypass.pdf,2  
index.md,2  
CNAME,3  
README.md,3  
_drafts/2012-04-14-displaying-time-since-last-git-commit-in-the-prompt.md,3  
_includes/themes/heim/default.html,3  
_includes/themes/tom/default.html,3  
_posts/2012-04-12-some-small-vim-tips.md,3  
talks.html,3  
_layouts/default.html,4  
_config.yml,5  
index.html,7
```

# output

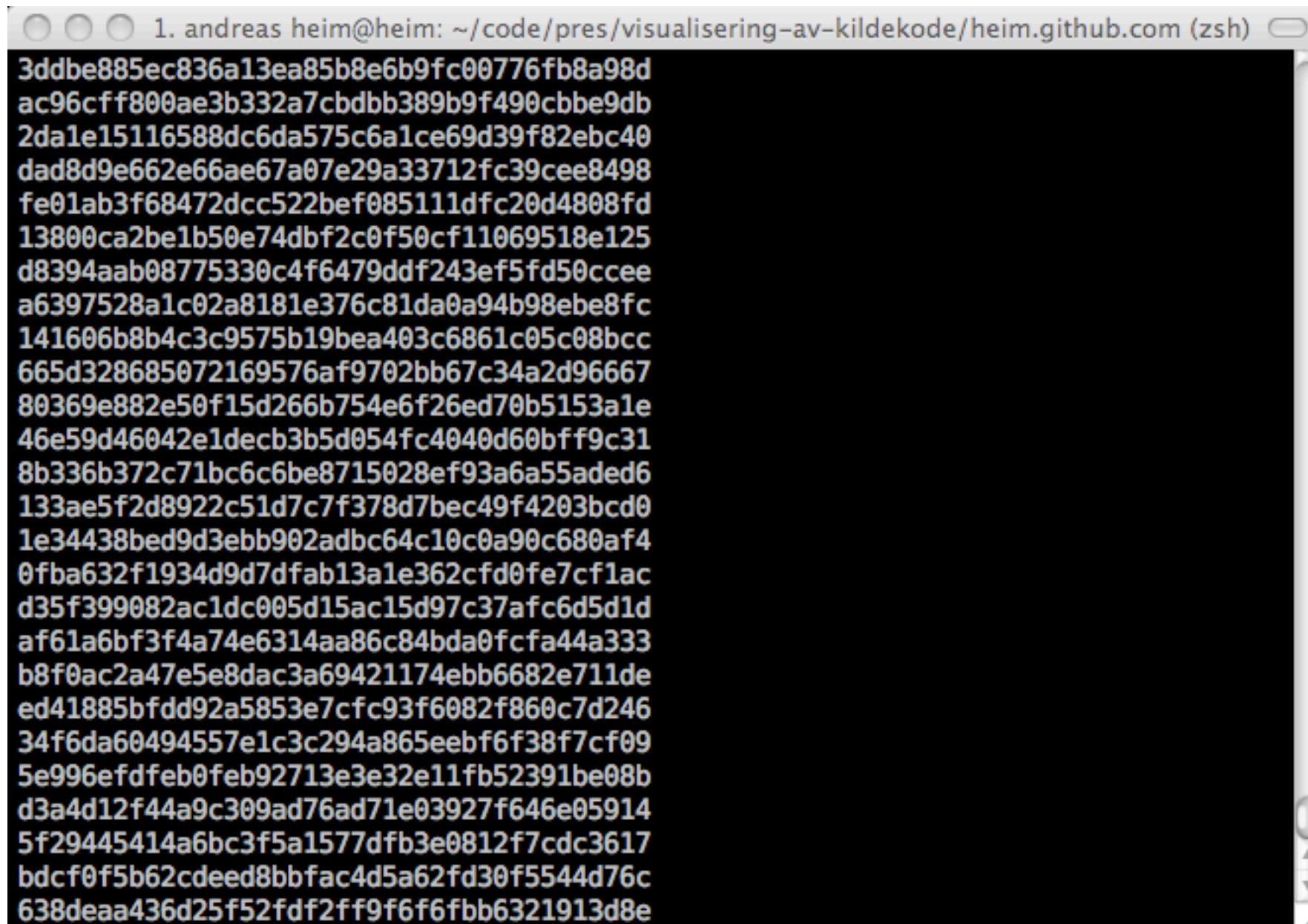




impact - antall  
kodelinjer endret pr  
commit

finne revisjonene

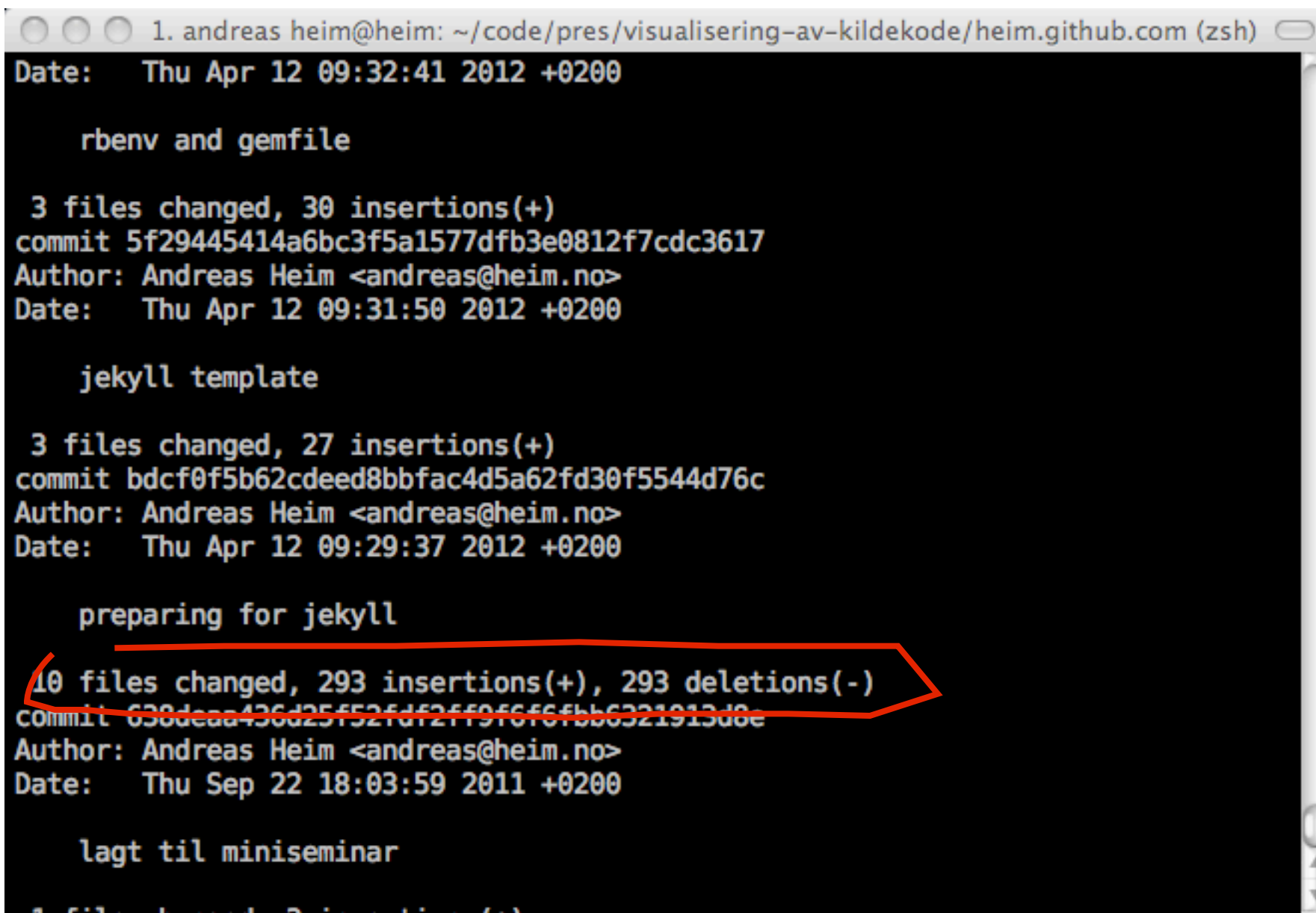
`git rev-list HEAD --since="1 year ago"`

A terminal window with a title bar showing the user 'andreas heim' at 'heim' in the directory '~/code/pres/visualisering-av-kildekode/heim.github.com' using 'zsh'. The terminal output displays a long list of 40-line commit hashes, each consisting of 40 hexadecimal characters. The hashes are listed vertically, starting with '3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d' at the top and ending with '638deaa436d25f52fdf2ff9f6f6fbb6321913d8e' at the bottom. The terminal has a dark background and a light-colored font. The title bar includes standard window controls (minimize, maximize, close) and a search icon.

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
3ddbe885ec836a13ea85b8e6b9fc00776fb8a98d  
ac96cff800ae3b332a7cbdbb389b9f490cbbe9db  
2da1e15116588dc6da575c6a1ce69d39f82ebc40  
dad8d9e662e66ae67a07e29a33712fc39cee8498  
fe01ab3f68472dcc522bef085111dfc20d4808fd  
13800ca2be1b50e74dbf2c0f50cf11069518e125  
d8394aab08775330c4f6479ddf243ef5fd50ccee  
a6397528a1c02a8181e376c81da0a94b98ebe8fc  
141606b8b4c3c9575b19bea403c6861c05c08bcc  
665d328685072169576af9702bb67c34a2d96667  
80369e882e50f15d266b754e6f26ed70b5153a1e  
46e59d46042e1dec3b5d054fc4040d60bff9c31  
8b336b372c71bc6c6be8715028ef93a6a55aded6  
133ae5f2d8922c51d7c7f378d7bec49f4203bcd0  
1e34438bed9d3ebb902adbc64c10c0a90c680af4  
0fba632f1934d9d7dfab13a1e362cfd0fe7cf1ac  
d35f399082ac1dc005d15ac15d97c37afc6d5d1d  
af61a6bf3f4a74e6314aa86c84bda0fcfa44a333  
b8f0ac2a47e5e8dac3a69421174ebb6682e711de  
ed41885bfdd92a5853e7cfc93f6082f860c7d246  
34f6da60494557e1c3c294a865eebf6f38f7cf09  
5e996efdfefeb92713e3e32e11fb52391be08b  
d3a4d12f44a9c309ad76ad71e03927f646e05914  
5f2944541a6bc3f5a1577dfb3e0812f7cdc3617  
bdcf0f5b62cdeed8bbfac4d5a62fd30f5544d76c  
638deaa436d25f52fdf2ff9f6f6fbb6321913d8e
```

## vise shortstat

```
git rev-list HEAD --since="1 year ago" |  
while read rev; do; git show $rev --shortstat |  
cat; done
```

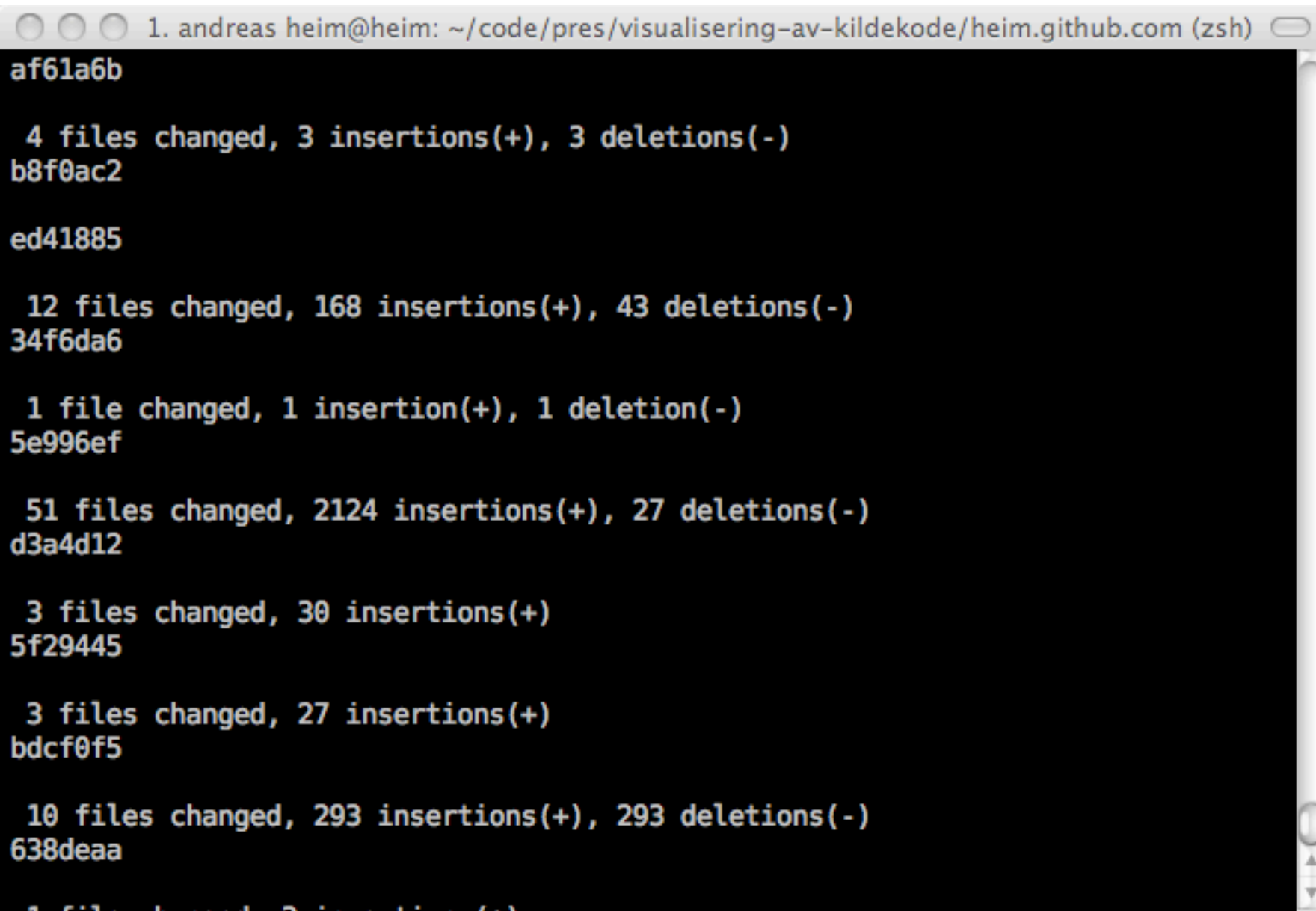


A terminal window with a dark background and light-colored text. The window title is "1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)". The output shows three commits with their respective file changes and statistics. The third commit's statistics line is highlighted with a red arrow.

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
Date: Thu Apr 12 09:32:41 2012 +0200  
  
rbenv and gemfile  
  
3 files changed, 30 insertions(+)  
commit 5f29445414a6bc3f5a1577dfb3e0812f7cdc3617  
Author: Andreas Heim <andreas@heim.no>  
Date: Thu Apr 12 09:31:50 2012 +0200  
  
jekyll template  
  
3 files changed, 27 insertions(+)  
commit bdcf0f5b62cdeed8bbfac4d5a62fd30f5544d76c  
Author: Andreas Heim <andreas@heim.no>  
Date: Thu Apr 12 09:29:37 2012 +0200  
  
preparing for jekyll  
10 files changed, 293 insertions(+), 293 deletions(-)  
commit 638deaa436d25f52fd2f59f6f6fbb6321913d8e  
Author: Andreas Heim <andreas@heim.no>  
Date: Thu Sep 22 18:03:59 2011 +0200  
  
lagt til miniseminar  
1 file changed, 2 insertions(+)
```

## fjerne unødig info

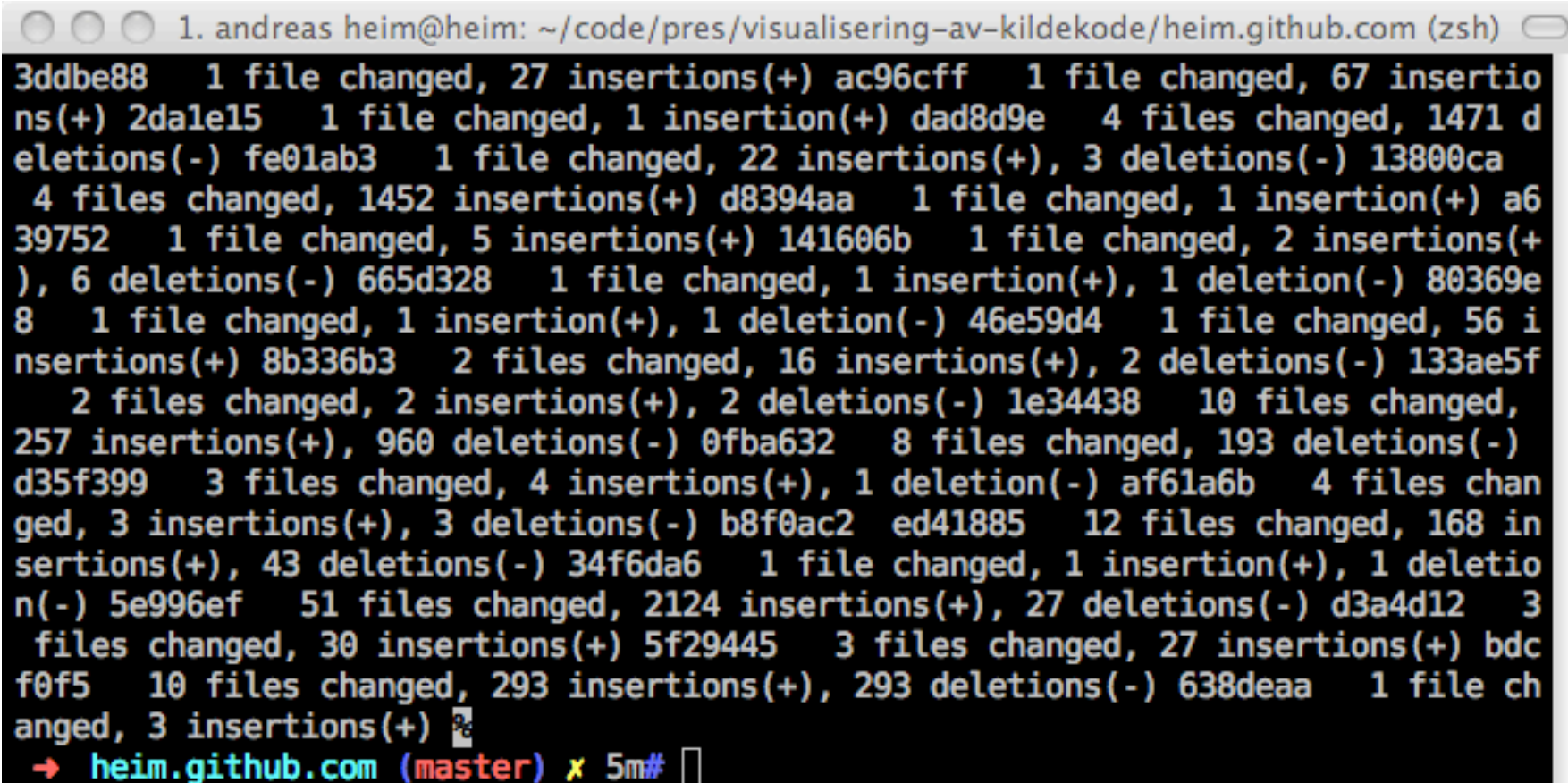
```
git rev-list HEAD --since="1 year ago" |  
while read rev; do; git show $rev  
--shortstat --format='%h' | cat; done
```



```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
af61a6b  
 4 files changed, 3 insertions(+), 3 deletions(-)  
b8f0ac2  
ed41885  
 12 files changed, 168 insertions(+), 43 deletions(-)  
34f6da6  
 1 file changed, 1 insertion(+), 1 deletion(-)  
5e996ef  
 51 files changed, 2124 insertions(+), 27 deletions(-)  
d3a4d12  
 3 files changed, 30 insertions(+)  
5f29445  
 3 files changed, 27 insertions(+)  
bdcf0f5  
 10 files changed, 293 insertions(+), 293 deletions(-)  
638deaa  
 1 file changed, 2 insertions(+)
```

fjerne linjeskift og blanke linjer

```
git rev-list HEAD --since="1 year ago" |  
while read rev; do; git show $rev --shortstat --format="%h"  
| tr "\\n" " "; done
```

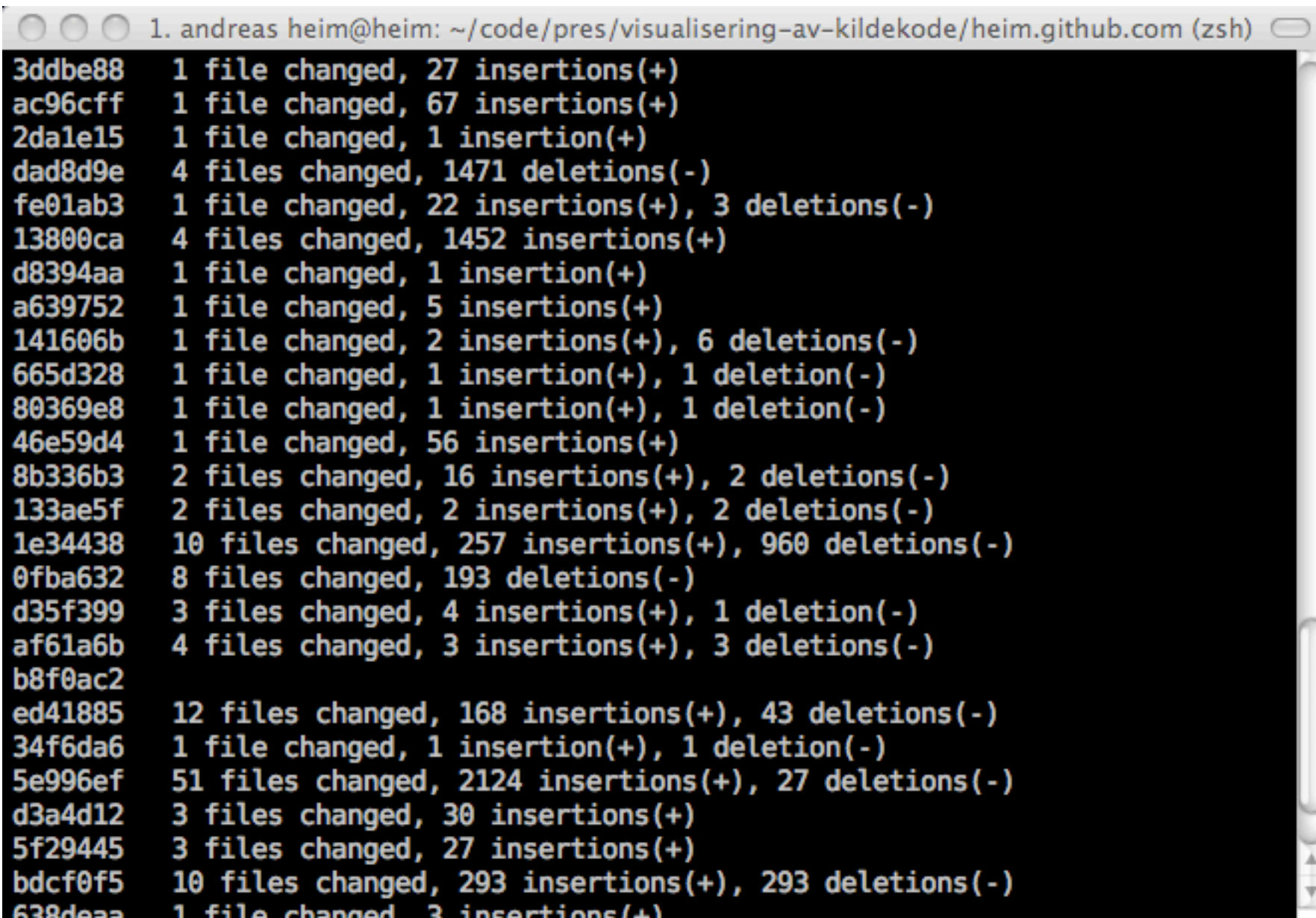
A terminal window with a dark background and light-colored text. The title bar shows the user 'andreas heim' at 'heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)'. The terminal displays the output of a git shortstat command, showing a list of commit hashes followed by file change statistics (files changed, insertions, and deletions). The output is wrapped across multiple lines. At the bottom, a prompt shows the current branch as 'heim.github.com (master)' and the file size as '5m#'.

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
3ddbe88 1 file changed, 27 insertions(+) ac96cff 1 file changed, 67 insertio  
ns(+) 2dale15 1 file changed, 1 insertion(+) dad8d9e 4 files changed, 1471 d  
eletions(-) fe01ab3 1 file changed, 22 insertions(+), 3 deletions(-) 13800ca  
4 files changed, 1452 insertions(+) d8394aa 1 file changed, 1 insertion(+) a6  
39752 1 file changed, 5 insertions(+) 141606b 1 file changed, 2 insertions(+  
, 6 deletions(-) 665d328 1 file changed, 1 insertion(+), 1 deletion(-) 80369e  
8 1 file changed, 1 insertion(+), 1 deletion(-) 46e59d4 1 file changed, 56 i  
nsertions(+) 8b336b3 2 files changed, 16 insertions(+), 2 deletions(-) 133ae5f  
2 files changed, 2 insertions(+), 2 deletions(-) 1e34438 10 files changed,  
257 insertions(+), 960 deletions(-) 0fba632 8 files changed, 193 deletions(-)  
d35f399 3 files changed, 4 insertions(+), 1 deletion(-) af61a6b 4 files chan  
ged, 3 insertions(+), 3 deletions(-) b8f0ac2 ed41885 12 files changed, 168 in  
sertions(+), 43 deletions(-) 34f6da6 1 file changed, 1 insertion(+), 1 deletio  
n(-) 5e996ef 51 files changed, 2124 insertions(+), 27 deletions(-) d3a4d12 3  
files changed, 30 insertions(+) 5f29445 3 files changed, 27 insertions(+) bdc  
f0f5 10 files changed, 293 insertions(+), 293 deletions(-) 638deaa 1 file ch  
anged, 3 insertions(+)  
→ heim.github.com (master) x 5m#
```



få ut info på en og en linje

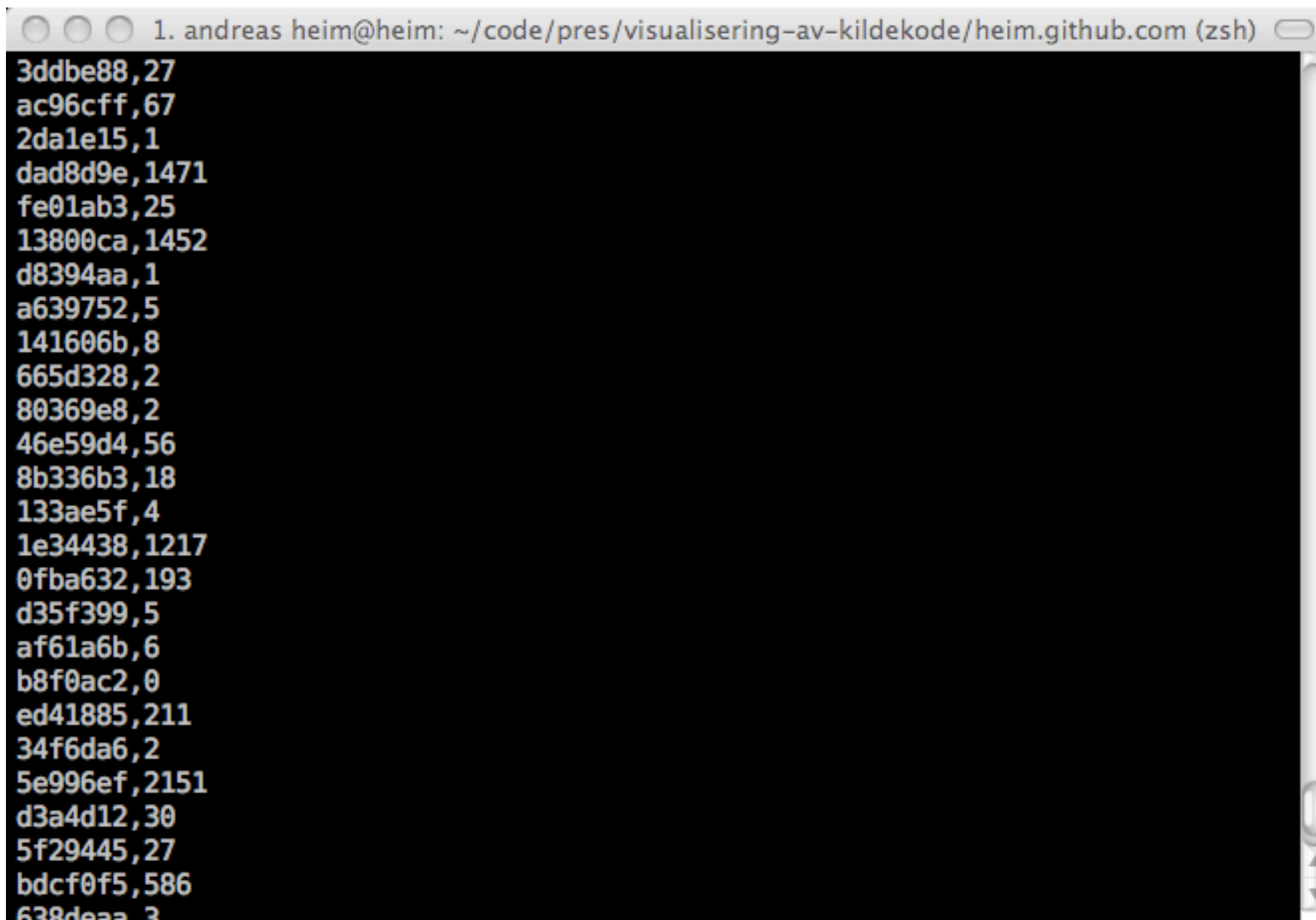
```
git rev-list HEAD --since="1 year ago" | while read rev; do;  
git show $rev --shortstat --format="%h" | tr "\\n" " " |  
awk '{print}'; done
```

A terminal window with a dark background and light-colored text. The window title bar shows the user 'andreas heim' at 'heim' in the directory '~/code/pres/visualisering-av-kildekode/heim.github.com' using 'zsh'. The terminal displays the output of the command 'git rev-list HEAD --since="1 year ago" | while read rev; do; git show \$rev --shortstat --format="%h" | tr "\\n" " " | awk '{print}'; done'. The output consists of 20 lines, each showing a commit hash followed by a shortstat summary of file changes, insertions, and deletions.

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
3ddb88 1 file changed, 27 insertions(+)  
ac96cf 1 file changed, 67 insertions(+)  
2dale1 1 file changed, 1 insertion(+)  
dad8d9 4 files changed, 1471 deletions(-)  
fe01ab 1 file changed, 22 insertions(+), 3 deletions(-)  
13800ca 4 files changed, 1452 insertions(+)  
d8394aa 1 file changed, 1 insertion(+)  
a639752 1 file changed, 5 insertions(+)  
141606b 1 file changed, 2 insertions(+), 6 deletions(-)  
665d328 1 file changed, 1 insertion(+), 1 deletion(-)  
80369e8 1 file changed, 1 insertion(+), 1 deletion(-)  
46e59d4 1 file changed, 56 insertions(+)  
8b336b3 2 files changed, 16 insertions(+), 2 deletions(-)  
133ae5f 2 files changed, 2 insertions(+), 2 deletions(-)  
1e34438 10 files changed, 257 insertions(+), 960 deletions(-)  
0fba632 8 files changed, 193 deletions(-)  
d35f399 3 files changed, 4 insertions(+), 1 deletion(-)  
af61a6b 4 files changed, 3 insertions(+), 3 deletions(-)  
b8f0ac2  
ed41885 12 files changed, 168 insertions(+), 43 deletions(-)  
34f6da6 1 file changed, 1 insertion(+), 1 deletion(-)  
5e996ef 51 files changed, 2124 insertions(+), 27 deletions(-)  
d3a4d12 3 files changed, 30 insertions(+)  
5f29445 3 files changed, 27 insertions(+)  
bdcf0f5 10 files changed, 293 insertions(+), 293 deletions(-)  
638dea3 1 file changed, 3 insertions(+)
```

plukke ut info og formattere

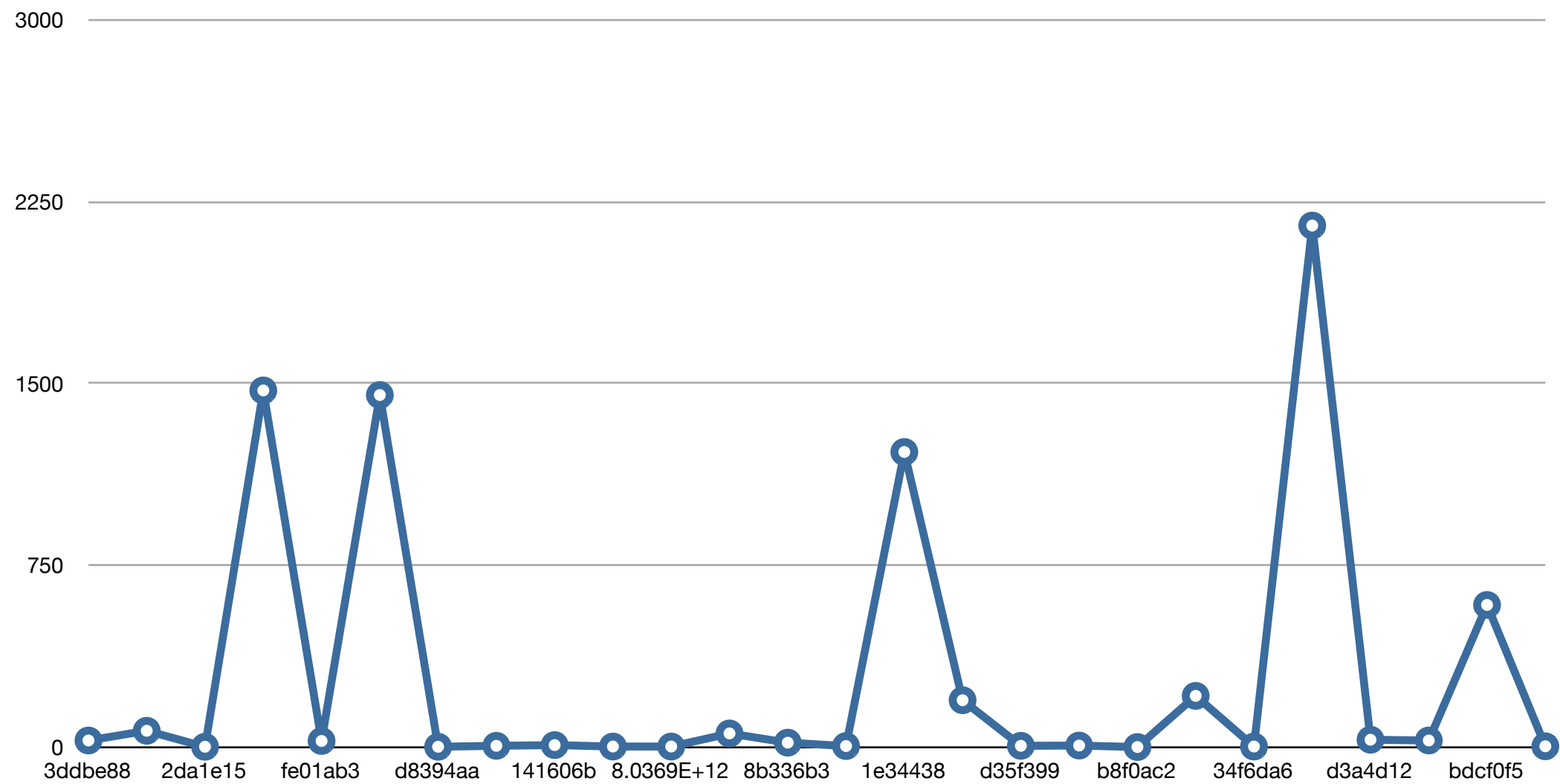
```
git rev-list HEAD --since="1 year ago" | while read rev; do;  
git show $rev --shortstat --format="%h" | tr "\\n" " " |  
awk '{t=$5+$7} {print $1 ", " t}'; done
```



A terminal window with a title bar showing the user 'andreas heim' at 'heim' in the directory '~/code/pres/visualisering-av-kildekode/heim.github.com' using 'zsh'. The terminal output lists 30 git commit hashes followed by a comma and a number, representing the number of files changed in each commit. The hashes are: 3ddbe88, ac96cff, 2da1e15, dad8d9e, fe01ab3, 13800ca, d8394aa, a639752, 141606b, 665d328, 80369e8, 46e59d4, 8b336b3, 133ae5f, 1e34438, 0fba632, d35f399, af61a6b, b8f0ac2, ed41885, 34f6da6, 5e996ef, d3a4d12, 5f29445, bdcf0f5, and 638deaa.

```
1. andreas heim@heim: ~/code/pres/visualisering-av-kildekode/heim.github.com (zsh)  
3ddbe88,27  
ac96cff,67  
2da1e15,1  
dad8d9e,1471  
fe01ab3,25  
13800ca,1452  
d8394aa,1  
a639752,5  
141606b,8  
665d328,2  
80369e8,2  
46e59d4,56  
8b336b3,18  
133ae5f,4  
1e34438,1217  
0fba632,193  
d35f399,5  
af61a6b,6  
b8f0ac2,0  
ed41885,211  
34f6da6,2  
5e996ef,2151  
d3a4d12,30  
5f29445,27  
bdcf0f5,586  
638deaa,3
```

# resultat



twitter: @heim  
github.com/heim  
heim.no