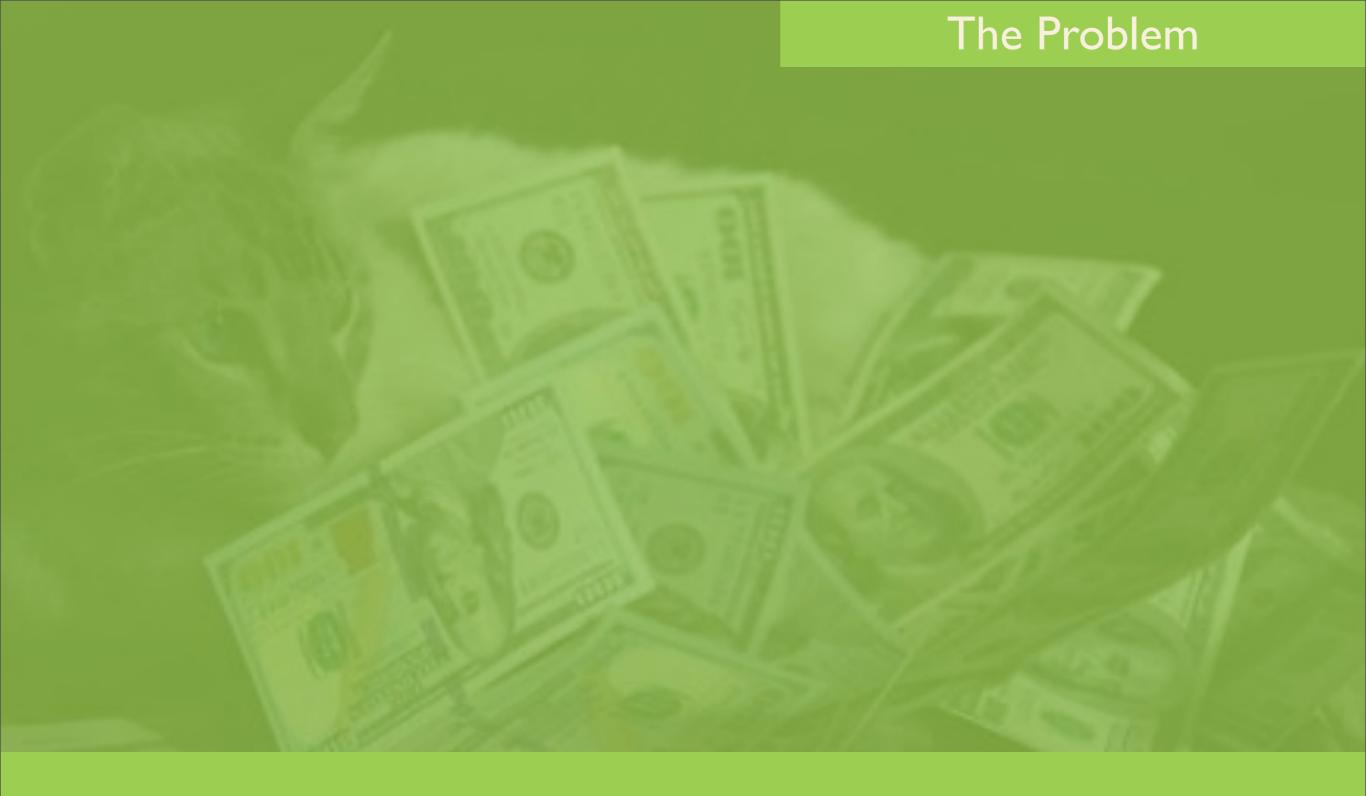


Stop Writing Amateur jQuerys



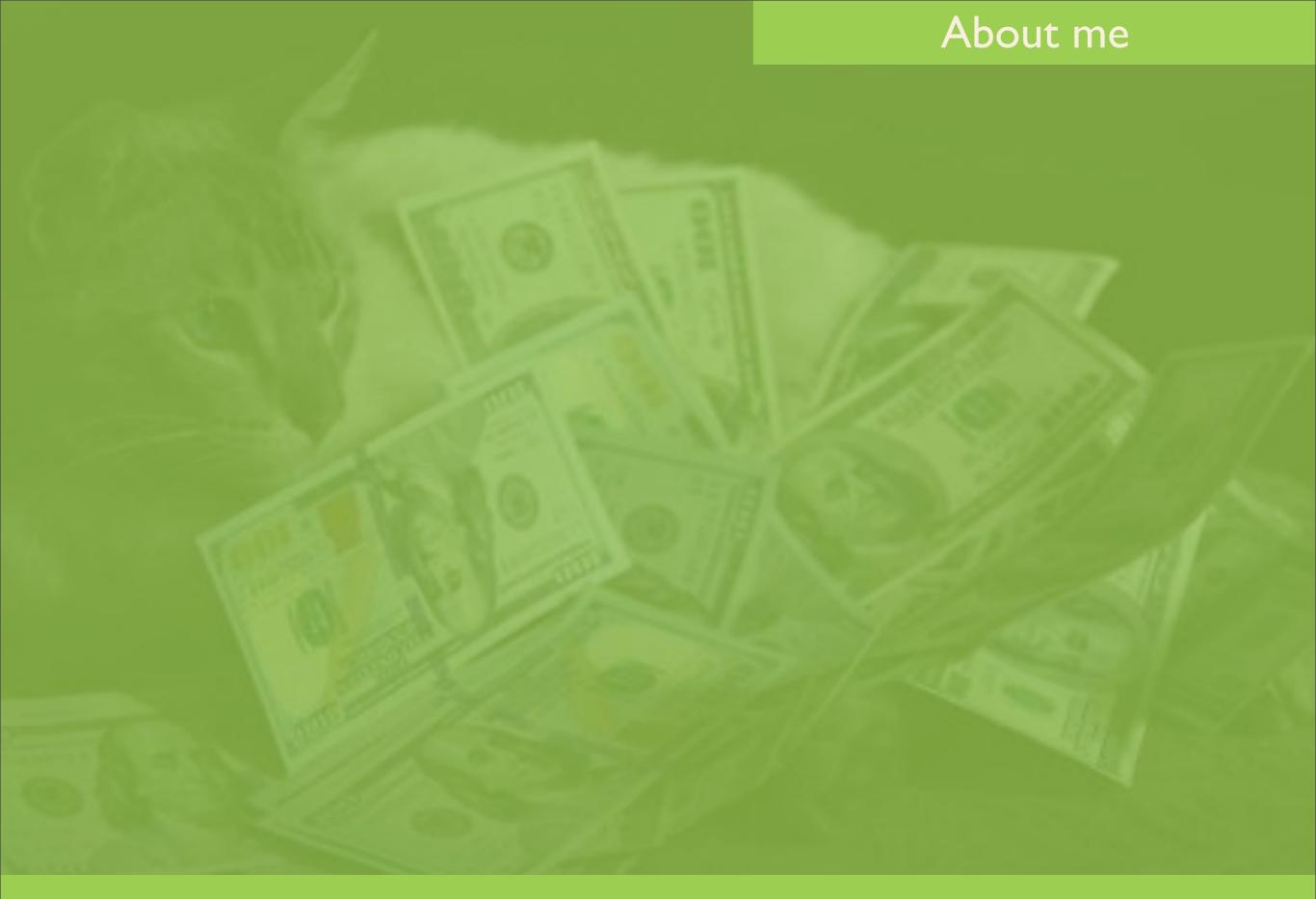
You can get far in JS not knowing what you're doing.



People can do better, they need to know how

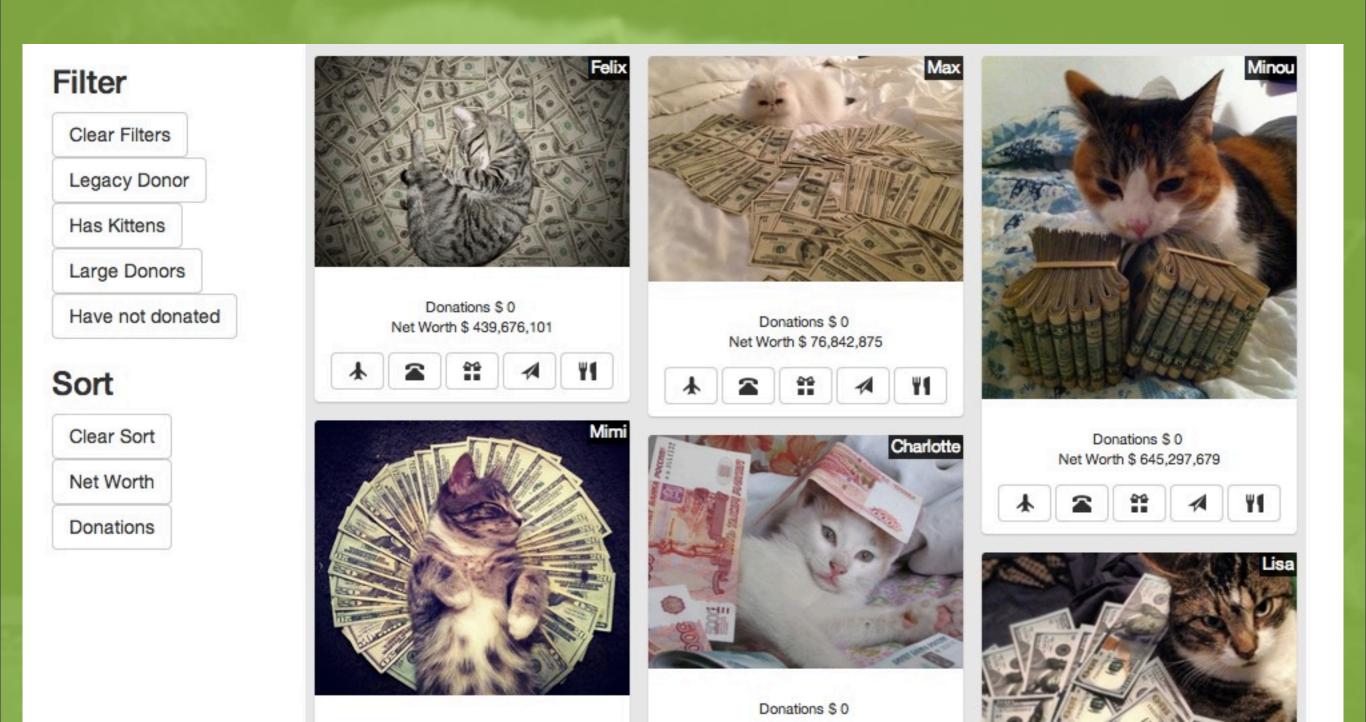


Ask Questions



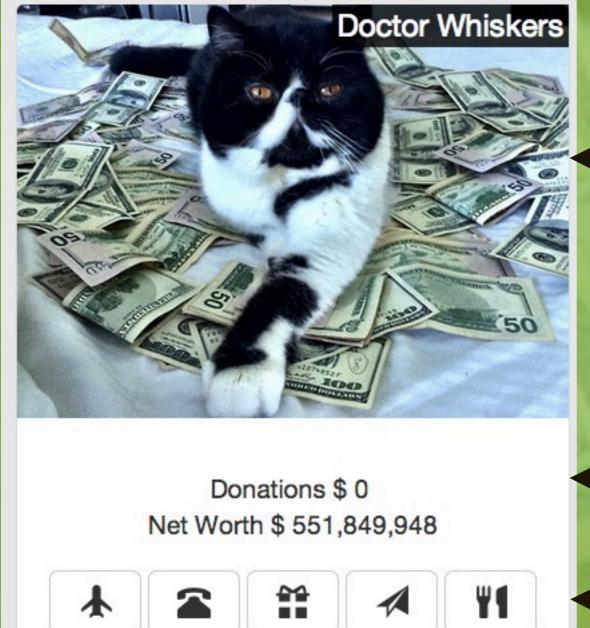
Evan

Cash from Cats



Raise money from wealth cats

Cash from Cats



Interested in Philanthropy

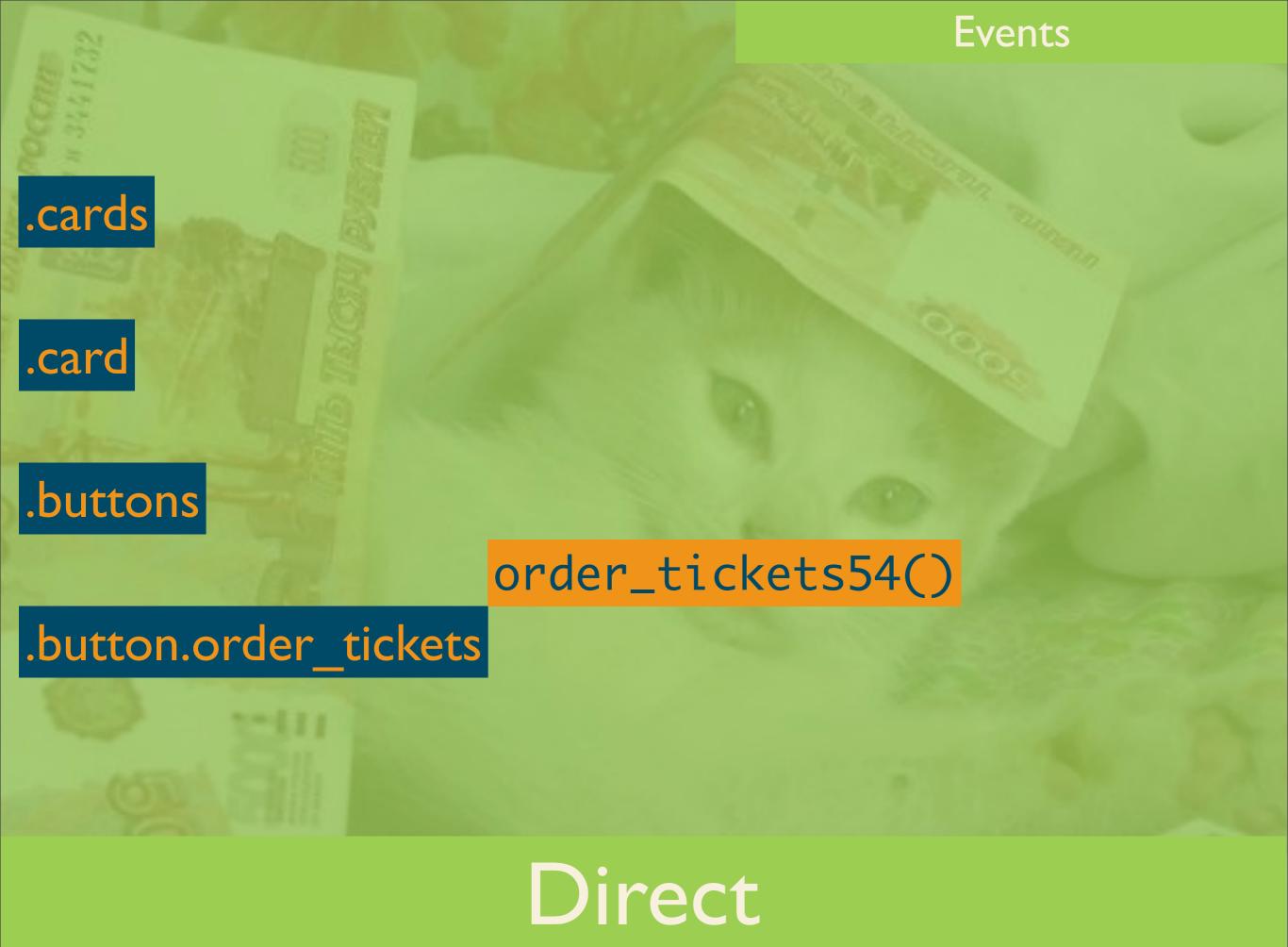
Big Data insight

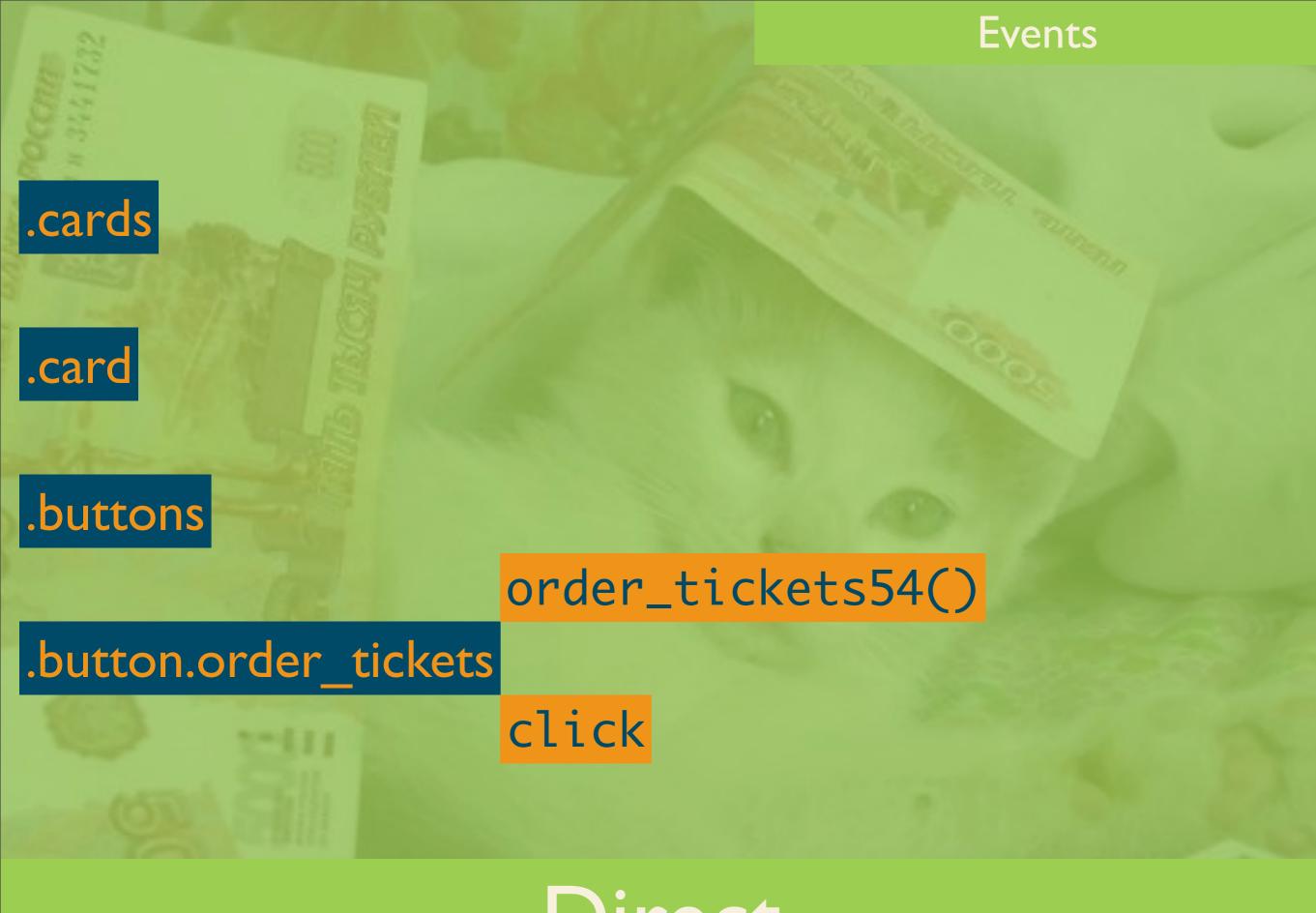
Advanced fundraising tools

Big Data



Delegation vs. Direct





Direct

How does it look like?

```
<div class="button btn btn-default glyphicon glyphicon-plane"</pre>
  onclick="order_tickets50()" id="order_tickets">
  <script>
    function order_tickets50(){
      alert("Your airplane to visit Felix is pulling up shortly")
  </script>
</div>
<div class="button btn btn-default glyphicon glyphicon-plane"</pre>
  onclick="order_tickets51()" id="order_tickets">
 <script>
    function order_tickets51(){
      alert("Your airplane to visit Max is pulling up shortly")
  </script>
</div>
<div class="button btn btn-default glyphicon glyphicon-plane"</pre>
  onclick="order_tickets52()" id="order_tickets">
  <script>
    function order_tickets52(){
      alert("Your airplane to visit Minou is pulling up shortly")
  </script>
</div>
```

Why is this bad?

The Problem

```
<div class="button btn-default glyphicon glyphicon-plane"
  onclick="order_tickets50()" id="order_tickets">
  <script>
    function order_tickets50(){
      alert("Your airplane to visit Felix is pulling up shortly")
  </script>
</div>
<div class="button btn btn-default glyphicon glyphicon-plane"</pre>
  onclick="order_tickets51()" id="order_tickets">
  <script>
    function order_tickets51(){
      alert("Your airplane to visit Max is pulling up shortly")
  </script>
</div>
<div class="button btn btn-default glyphicon glyphicon-plane"</pre>
  onclick="order_tickets52()" id="order_tickets">
  <script>
    function order_tickets52(){
      alert("Your airplane to visit Minou is pulling up shortly")
  </script>
</div>
```

The Problem

Repetition wastes memory, causes slow app

```
Events
```

```
$cards
.on("click",".order_tickets",
   order_tickets)
```

.cards

.card

.buttons

.button.order_tickets

click

```
Events
      $cards
         .on("click",".order_tickets",
        order tickets)
.cards
.card
.buttons
        click
.button.order_tickets
```

```
Events
```

```
$cards
.on("click",".order_tickets",
   order_tickets)
```

.cards

.card

click

.buttons

.button.order_tickets

```
Events
```

```
$cards
    .on("click",".order_tickets",
        order_tickets)
.cards
```

.card

.buttons

.button.order_tickets

click

```
Events
      $cards
         .on("click",".order_tickets",
        order tickets)
                                           click
.cards
.card
.buttons
.button.order_tickets
```



DOM Caching



Speed & Simplicity

DOM Caching

action	computer time	human time
talk to the DOM	.4ms	3.8 days long weekend

https://gist.github.com/hellerbarde/2843375

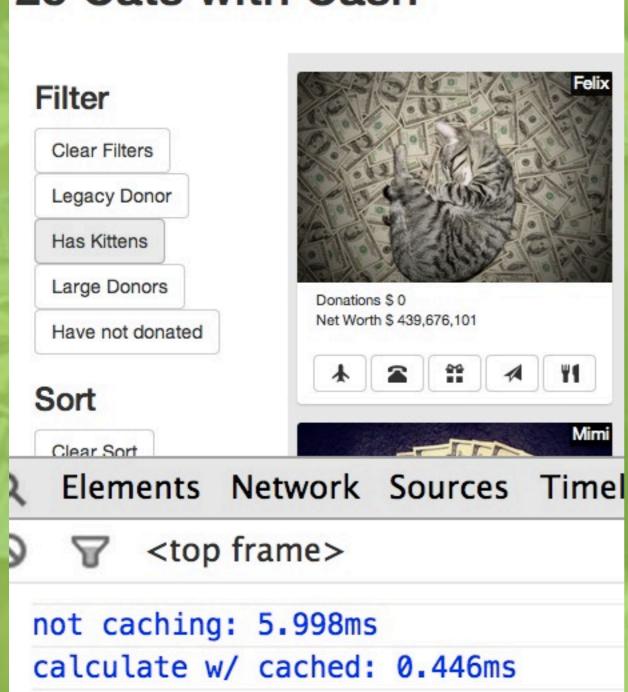
Latency

```
console.time('not caching');
var networths = 0;
for(var i = 0; i<$("[data-networth]").length;i++){</pre>
  var networth = $("[data-networth]").eq(i).data("networth")
  networths += parseInt(networth)
console.timeEnd('not caching')
console.time('calculate w/ cached');
var networths = 0;
var elements = $("[data-networth]")
var networth;
for(var i = 0; i<elements.length;i++){</pre>
  networths += parseInt(elements.eq(i).data("networth"))
console.timeEnd('calculate w/ cached')
```

Let's test it out!

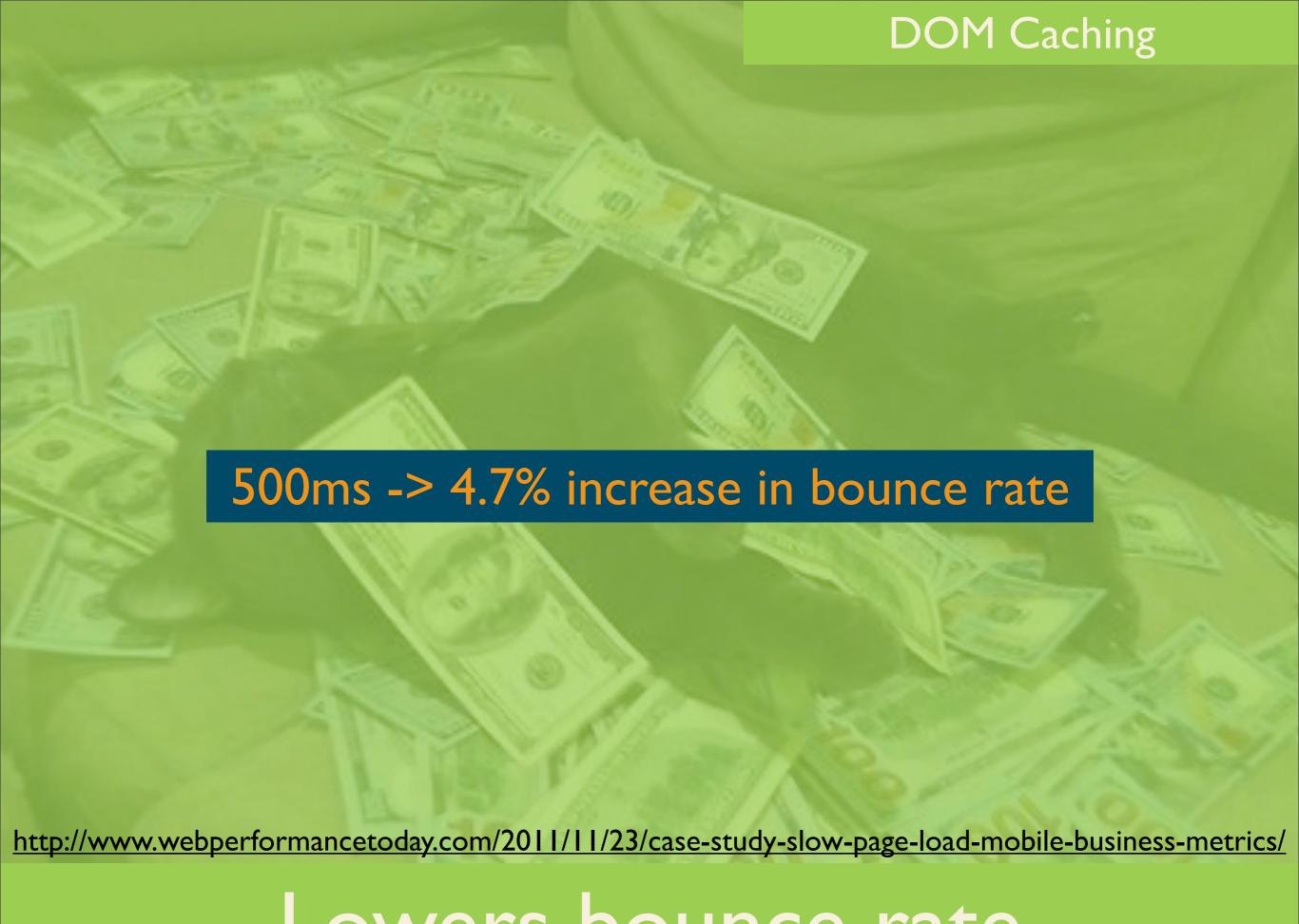
25 Cats with Cash

undefined



5.552ms saved!

13 times faster



Lowers bounce rate

DOM Caching \$('#traffic_light input.on').bind('click', function(){ alert('') }); \$('#traffic_light input.on').css('border', '3px dashed yellow'); \$('#traffic_light input.on').css('background-color', 'orange'); \$('#traffic_light input.on').fadeIn('slow'); Touches DOM needlessly

```
var $active_light = $('#traffic_light input.on');
$active_light.on('click', function(){ do_stuff() });
$active_light.css('border', '3px dashed yellow');
$active_light.css('background-color', 'orange');
$active_light.fadeIn('slow');
```

Touches DOM once



Let's Refactor!

The Cats with Cash project

- 1 git clone git@github.com:Eunoia/catswithcash.git
- 2 git checkout 9e6ecbd -b let_us_refactor

https://github.com/Eunoia/catswithcash

Get the code