

Week 7

Chapter 18

4 more weeks

can we do it?



This Week

- Writing Our Own SQL
- Column Statistics
- `find(:select)`
- Counting
- Dynamic finders
- Named scopes

also....

- reloading
- updating
- changed?, changed, changes
- deleting
- bang methods
- query cache

Writing our own SQL

`find_by_sql()`

```
Product.find_by_sql(<<-eosql)
  select * from users
eosql
```

Column Statistics

```
Order.average(:price)
```

```
Order.maximum(:price)
```

```
Order.minimum(:price)
```

```
Order.sum(:price)
```

```
Order.count
```

`find(:all, :select => “)`

```
find(  
  :all,  
  :select => 'select a, b, c'  
)
```

Counting

```
Order.count
```

```
Order.count(
```

```
  :conditions => 'price > 10'
```

```
)
```

Dynamic Finders

```
Order.find_by_id(10)
```

```
Order.find_by_name_and_id(
```

```
    'aaron',
```

```
    10
```

```
)
```

```
Order.find_all_by_name('aaron')
```

Named Scopes

```
class Order < ActiveRecord::Base
  named_scope :last_n_days,
    lambda { |days|
      :condition => [
        'updated < ?', days
      ]
    }
end
```

```
Order.last_n_days(10)
```

```
class Order < AR::Base
  named_scope :checks,
    lambda { |checks|
      :conditions => {
        :pay_type => :check
      }
    }
end
```

Order.checks

```
Order.checks.last_n_days(10)
```

Reloading Data

```
product = Product.find
```

```
...
```

```
product.reload
```

```
...
```

updating data

```
product = Product.find(:first)
product.name = 'whatever'
product.save!
```

changed?, changed,
changes

```
product = Product.find(:first)
product.name = 'yay!'
product.changed? # => true
product.changed # => ['name']
product.changes # => {'name' =>
['foo', 'yay!']}
```

deleting

```
product = Product.find(:first)
product.destroy
```

```
Product.delete(123)
```

```
Product.delete([1, 2, 3])
```

```
Product.delete_all([...])
```

bang methods

product.save!
Product.create!

product.save
Product.create

Query Cache

```
10.times {  
  Order.find(:all)  
}
```

Homework

is on the blog

終わった