

Ruby master - Feature #17140

Merge Enumerable#grep(_v) with Enumerable#select/reject

09/01/2020 07:52 PM - baweaver (Brandon Weaver)

Status:	Open
Priority:	Normal
Assignee:	
Target version:	
Description	
<p>In recent versions of Ruby we've gotten new behavior of some Enumerable methods like <code>any?</code>, <code>all?</code>, <code>none?</code>, <code>one?</code>, and others to support a single argument pattern that responds to <code>===</code>. This is very powerful, and very useful.</p> <p>Currently Enumerable has <code>grep</code> and <code>grep_v</code> which allow this as a way to filter lists.</p> <p>These names require some understanding of Unix to be familiar with, but naming aside, I feel it may make sense to implement <code>===</code> pattern arguments in <code>Enumerable#select</code> and <code>Enumerable#reject</code> as with the above.</p> <p>Proposed Syntax:</p> <pre>list_of_numbers.select(1..10) words.reject({ 'and', 'the', 'of' })</pre> <p>I believe this would help with readability and would simplify syntax options by unifying on this standard.</p> <p>My concern is that <code>Enumerable#find</code> already takes a single argument, <code>ifnone</code>, and may not be able to implement this behavior. I would be curious to see how many use <code>ifnone</code> but feel this would be more critically breaking to do.</p>	

History

#1 - 09/03/2020 07:01 AM - duerst (Martin Dürst)

I guess I understand the first example. Just to make sure:

```
[-3, 4, 0, 8.5, 20, 5].select(1..10) #=> [4, 8.5, 5]
```

But for the second example, I don't understand `{ 'and', 'the', 'of' }`. Is that supposed to be an array, or what?

#2 - 09/03/2020 04:37 PM - marcandre (Marc-Andre Lafortune)

I imagine that `Set['and', 'the', 'of']` was meant.

#3 - 09/10/2020 07:34 AM - matz (Yukihiro Matsumoto)

Enhancing `select` and `reject` seems a good idea.

Matz.

#4 - 09/11/2020 05:36 AM - nobu (Nobuyoshi Nakada)

I made `select` parts.

https://github.com/nobu/ruby/pull/new/feature/17140-enum_select

#5 - 02/10/2021 07:56 AM - baweaver (Brandon Weaver)

Would this feature still be of interest?