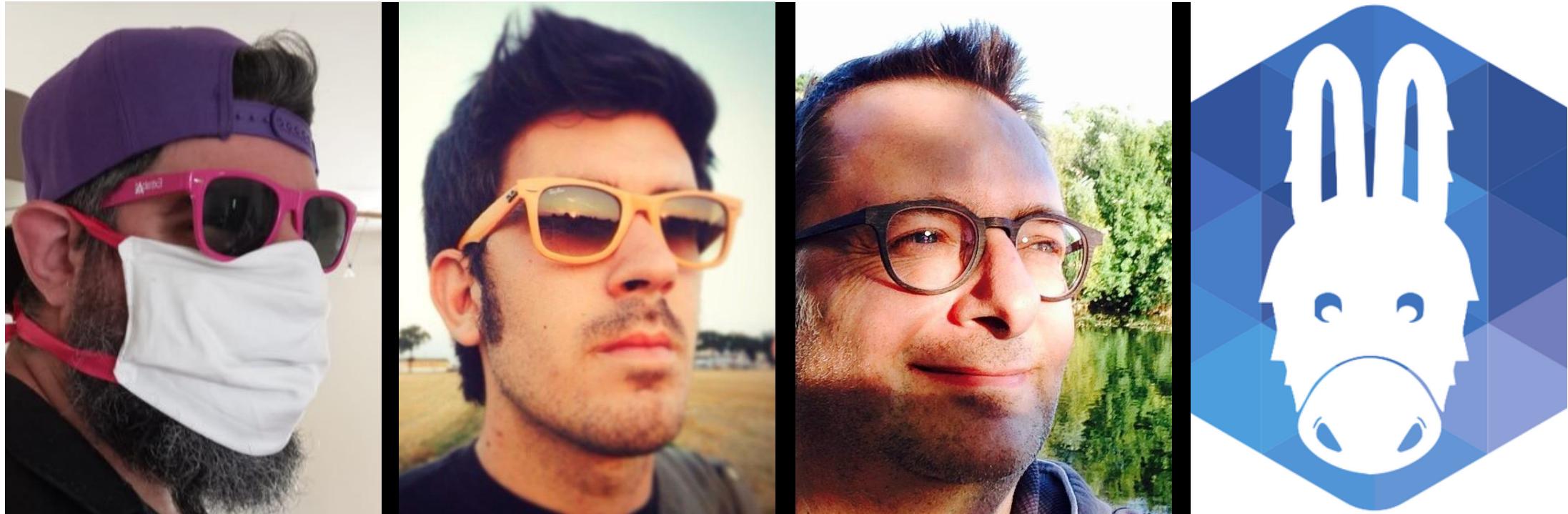


PHP 8: 8 things you ever wanted to have

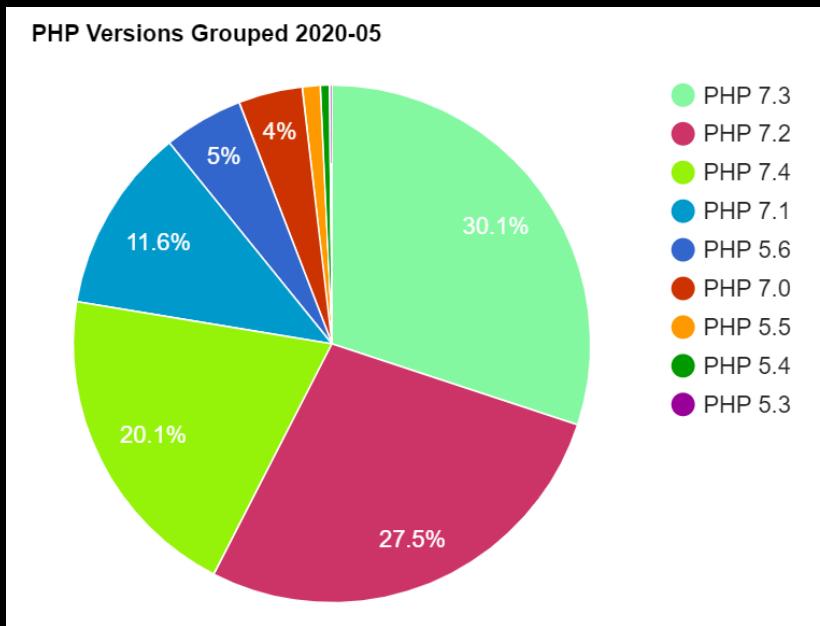


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PHP usage statistics



Source: <https://blog.packagist.com/php-versions-stats-2020-1-edition/>

PHP 8 Release: 2021-11-26



String to number comparison

Comparison	Before	After
<code>0 == "0"</code>	true	true
<code>0 == "0.0"</code>	true	true
<code>0 == "foo"</code>	true	false
<code>0 == ""</code>	true	false
<code>42 == " 42"</code>	true	true
<code>42 == "42foo"</code>	true	false

Source: https://wiki.php.net/rfc/string_to_number_comparison

Union type



```
1 class Number {
2     private int|float $number;
3
4     public function setNumber(int|float $number): void {
5         $this->number = $number;
6     }
7
8     public function getNumber(): int|float {
9         return $this->number;
10    }
11 }
```

Source: https://wiki.php.net/rfc/union_types_v2

Match



```
1 echo match (1) {  
2     0 => 'Foo',  
3     1 => 'Bar',  
4     2 => 'Baz',  
5 };
```

Source: https://wiki.php.net/rfc/match_expression_v2

Named arguments



```
1 array_key_exists(key: 'key',array:[]);
```

Source: https://wiki.php.net/rfc/named_params

Nullsafe operator



```
1 $startDate = $booking->getStartDate();
2
3 $dateAsString = $booking->getStartDate()?->asDateTimeString();
```

Source: https://wiki.php.net/rfc/nullsafe_operator

Non-capturing catches

```
1 try {
2     $this->assembleeGeneralePwn();
3 } catch (CovidException) {
4     Log::error("Something went wrong");
5 }
```

Source: https://wiki.php.net/rfc/non-capturing_catches

Attributes

```
1 #[Attribute]
2 class ExampleAttribute
3 {
4     public $value;
5
6     public function __construct($value)
7     {
8         $this->value = $value;
9     }
10 }
```

Source: https://wiki.php.net/rfc/attributes_v2

Attributes

```
1 use Symfony\Component\Routing\Annotation\Route;
2
3 class SomeController
4 {
5     #[Route('/path', name: 'action')]
6     public function someAction()
7     {
8         // ...
9     }
10 }
```

Source: <https://symfony.com/blog/new-in-symfony-5-2-php-8-attributes>

Constructor Property Promotion

```
● ● ●

1 class Money
2 {
3     public string $currency;
4
5     public int $amount;
6
7     public function __construct(
8         string $currency,
9         int $amount,
10    ) {
11         $this->currency = $currency;
12         $this->amount = $amount;
13     }
14 }
15
16 $money = new Money('Anciens Francs', 2000);
17 echo $money->currency;
18
```

Source: https://wiki.php.net/rfc/constructor_promotion

Constructor Property Promotion

```
● ● ●  
1 class Money  
2 {  
3     public function __construct(  
4         public string $currency,  
5         public int $amount,  
6     ) {}  
7 }  
8  
9 $money = new Money('Anciens Francs', 2000);  
10 echo $money->currency;  
11
```

Source: https://wiki.php.net/rfc/constructor_promotion

More...

<https://www.php.net/releases/8.0/en.php>

PHP 8: a new version, a new era - Gabriel CARUSO - Forum PHP 2020

https://www.youtube.com/watch?v=eazNNAa7D_A

<https://stitcher.io/blog/new-in-php-8>