DataArt

Frontend 2017

Ecosystem of frameworks

Forecasts and trends

May 25, 2017 Kyiv

iForum

DataArt

Eugene Safronov

Senior software developer @ DataArt

I do backend and frontend

I love Javascript

iFORUM

DataArt

Anytime and anywhere
users need a good frontend

Console

Web app

Mobile

Desktop

iFORUM

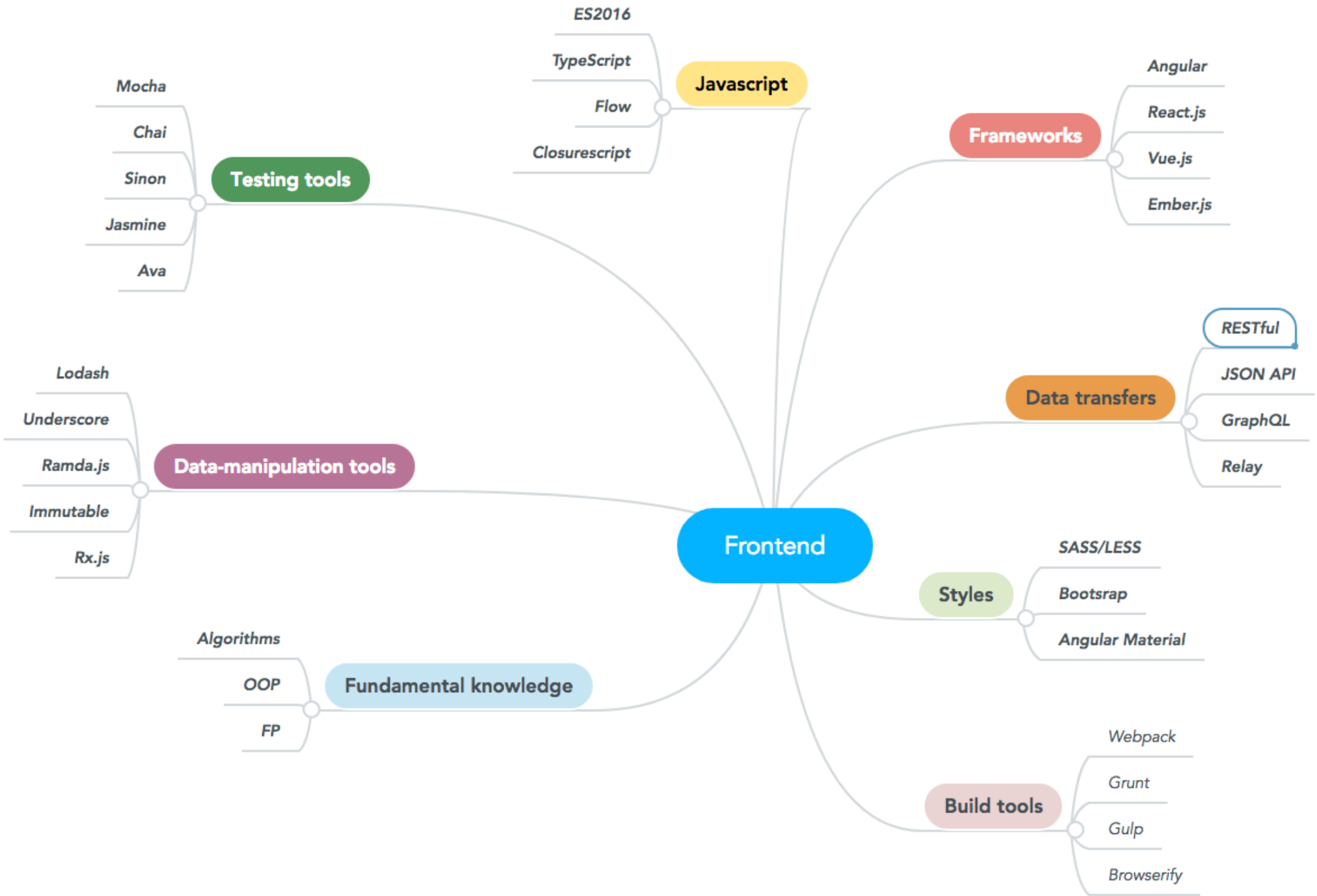
Frontend Engineer as a new role in the industry

DataArt

Today, the frontend developer is really cool and knowledgeable

iFORUM

DataArt



iFORUM

DataArt

Javascript is everywhere

Browser	*Chrome, Firefox, Edge, IE, Opera, …*
Server-side	*Node.js*
Mobile	*React Native, NativeScript, Ionic, …*
Desktop	*Electron, AppJS, …*
Robotics	*Cylon.js, Johnny-Five, Nodebots, …*

iFORUM

DataArt

Javascript takes a leading position and beats all those

1. JavaScript
2. Java
3. Python
4. Ruby
5. PHP
6. C++
7. CSS
8. C#
9. C
10. Go
11. Shell
12. Objective-C
13. Scala
14. Swift
15. Typescript

iFORUM

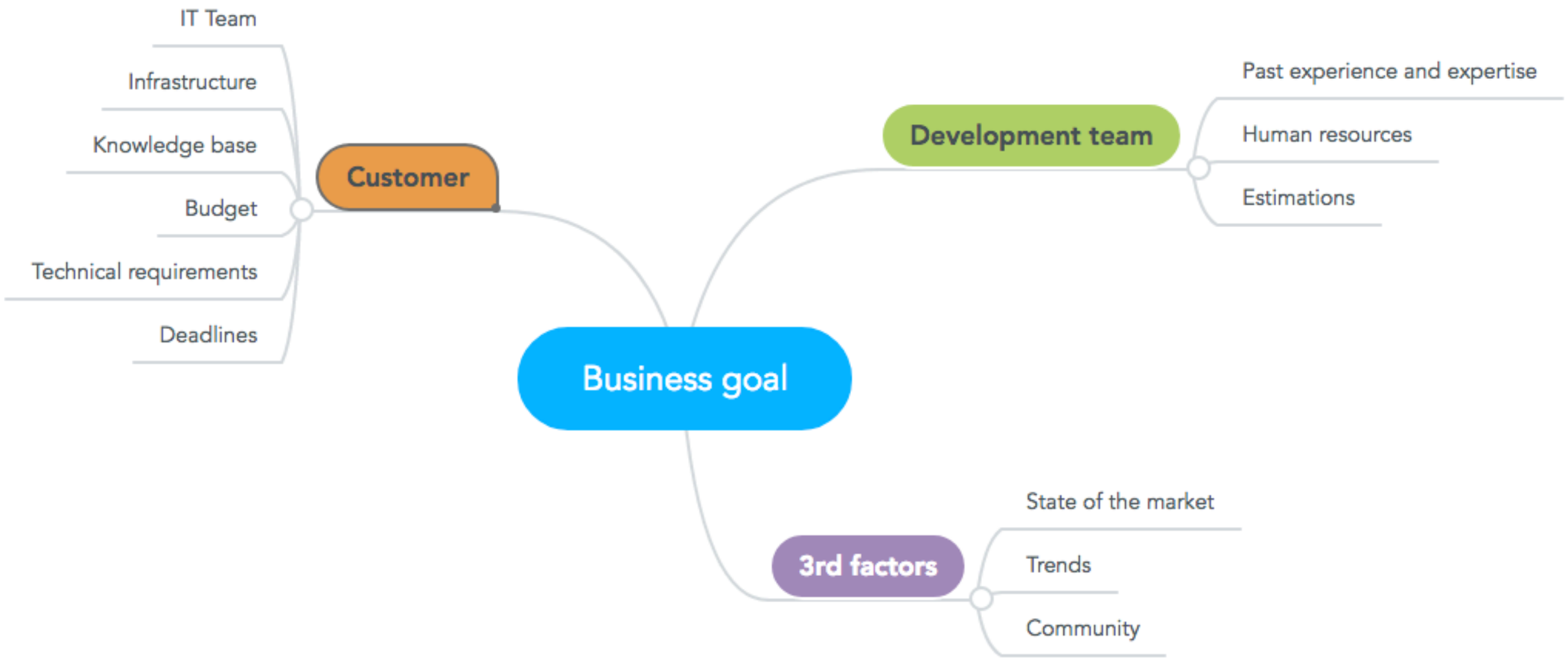
Github version

DataArt

The business challenges are the most important

iFORUM

DataArt



iFORUM

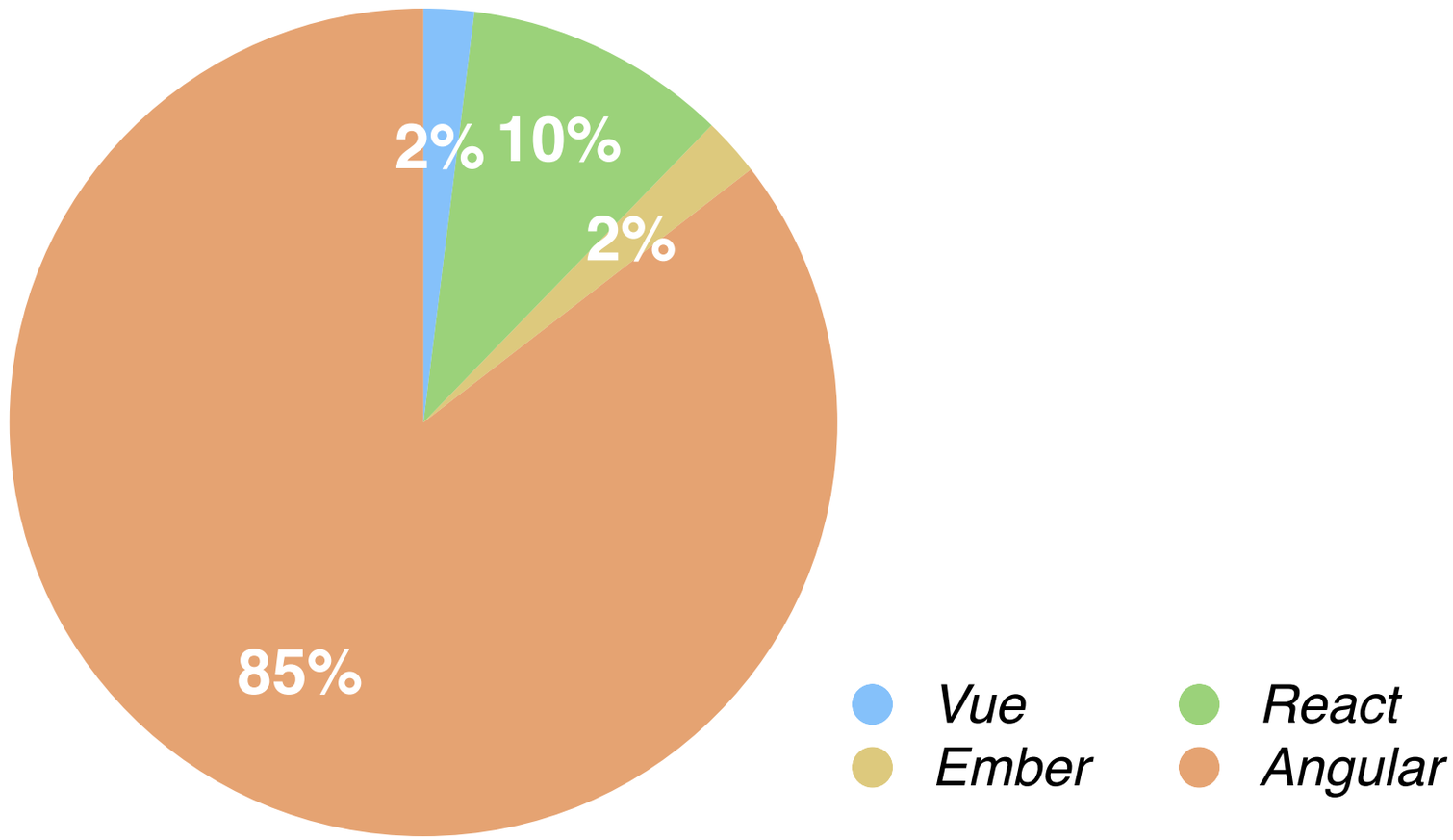
DataArt

Browser, Javascript and Client live together and push each other

iFORUM

DataArt

The most popular frameworks today



http://libscore.com/

iFORUM

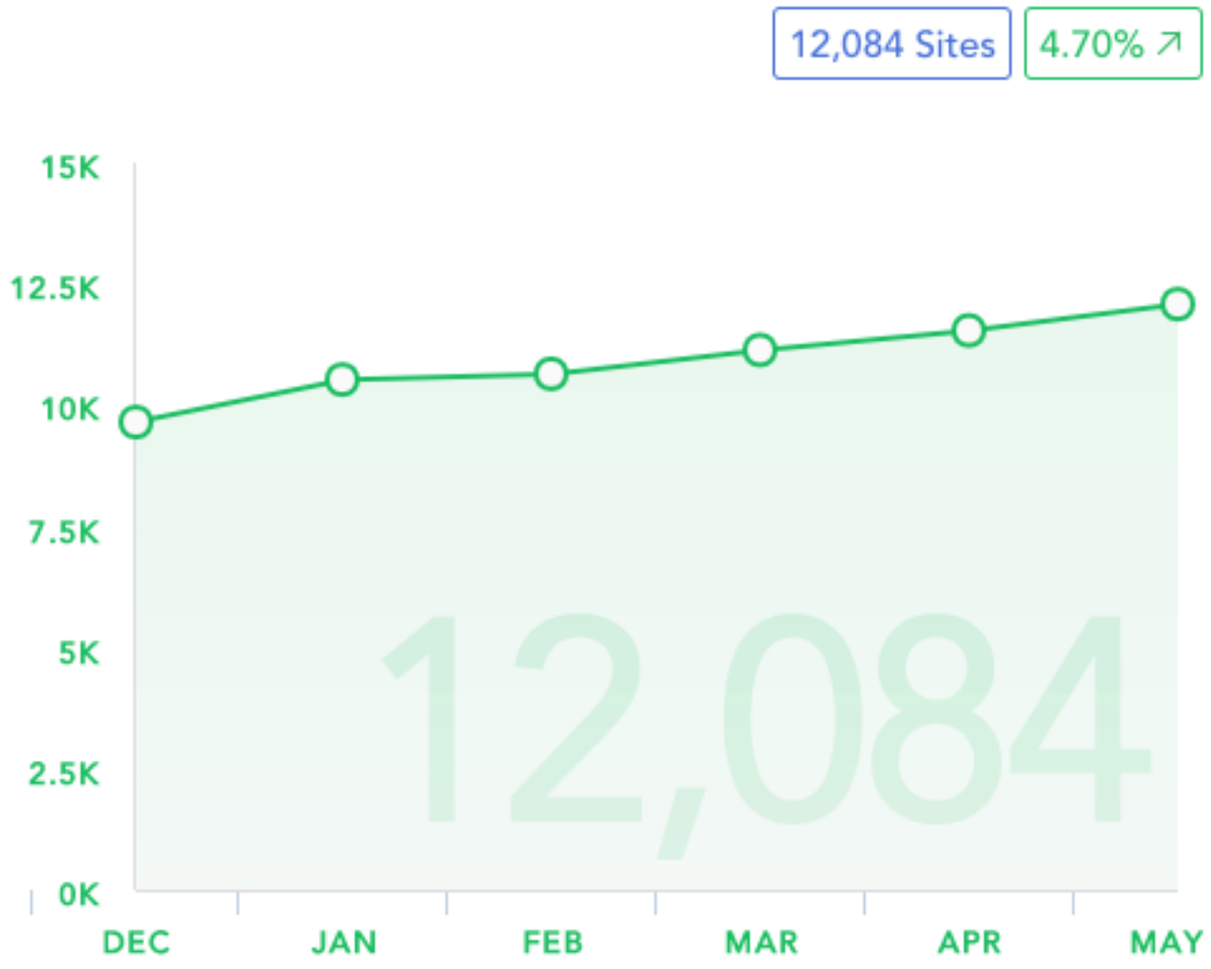
DataArt

Angular

Current version: ***4.2***

Company: ***Google***

Github stars: ***24,318***



iFORUM

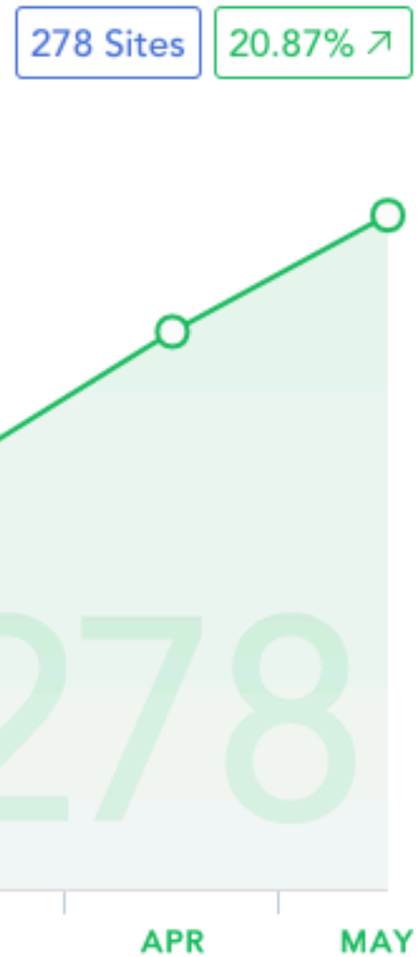
DataArt

Vue

Current version: ***2.3***

Company: ***Even You***

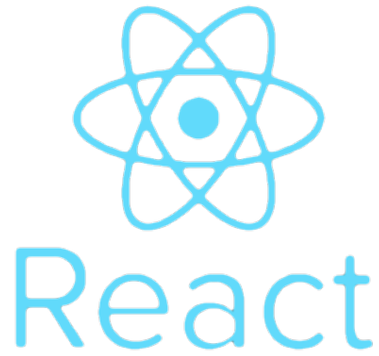
Github stars: ***54,401***



iFORUM

DataArt

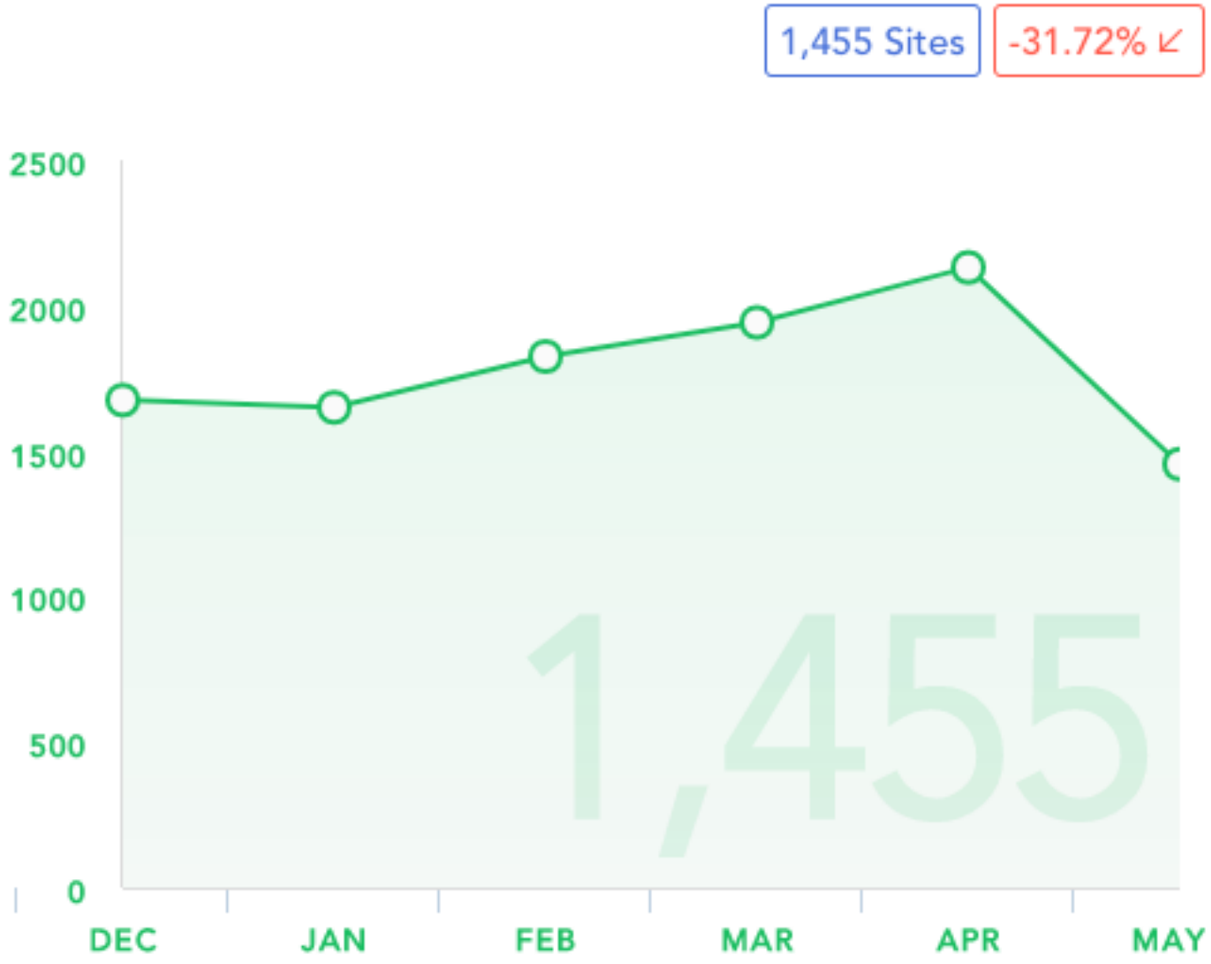
React



Current version: ***15.0***

Company: ***Facebook***

Github stars: ***67,334***



iFORUM

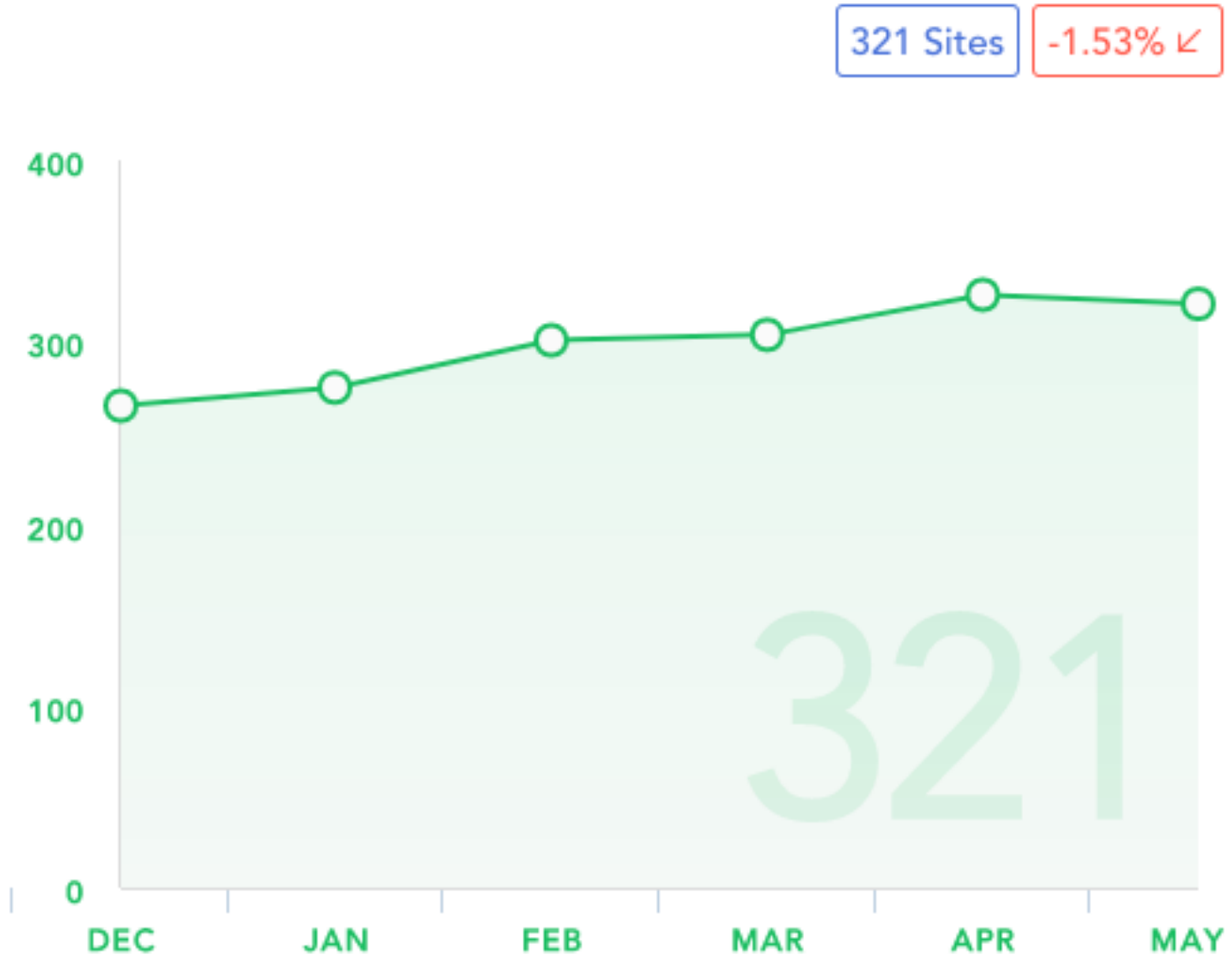
DataArt

Ember

Current version: ***2.15***

Company: ***LinkedIn, Tilde***

Github stars: ***17,873***



iFORUM

DataArt

Convergence among frameworks

Component-oriented

Reactivity

Virtual DOM

Template syntax

Strong typing

iFORUM

DataArt

The framework can be called large and popular if there is a large conference dedicated to it

Angular Summit September 25-27, 2017 *Boston, MA*

ReactEurope May 18-19, 2017 *Paris, France*

VueConf June 21-23, 2017 *Wroclaw, Poland*

EmberConf March 28-29, 2017 *Portland, OR*

iFORUM

DataArt

There are huge and famous corporations behind frameworks

iFORUM

DataArt

Statically typed languages Typescript and Flow can help you

iFORUM

DataArt

iFORUM

DataArt

Trends

Strong-typed languages become more popular

Convergence of frameworks

Node.js gains popularity in APIs and micro services

Component-oriented architecture

Single responsibility tools and libs

iFORUM

DataArt

With any of the frameworks, you can create an excellent product

iFORUM

DataArt

Many thanks

iFORUM