WordPress
+
Open Data
+
Visual Data

a project by Jesús Yesares and Javier Casares

WPOpenData

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Core   Plugins   Themes   Events   Other

WordPress Open Data

Making WordPress Data accessible to all

CORE

A comprehensive and open access to data related to the foundational aspects of WordPress software.

PLUGINS

Open and detailed access to data related to the extensive range of plugins available in the WordPress Plugin Directory.

THEMES

Open and detailed access to data related to the extensive range of themes available in the WordPress Themes Directory.

EVENTS

Valuable insights into the scale, diversity, and impact of WordPress events globally, like Meetup, and WordCamp.

Changelog

2024-04-16 — **Created the "Major WordPress" section**
We have created a section in which you can download the data for all Major core versions. When a big new release comes out, this section will be updated. Visit: Major WordPress Versions

2024-04-12 — **Created the "Number of themes available in the plugin directory" section**
You can see the history of Themes Directory by how many themes have been published. We will update this data each month. Visit: Number of Themes available from the Themes directory

2024-04-12 — **Created the "Downloads from theme directory" section**
We have created a section where you can see the themes downloaded from the Theme Directory month to month, when it was available. There hasn't been an update because this dataset is limited. We hope it's not. Visit: Downloads from Themes Directory

2024-04-05 — **Created the "Number of plugins in the plugin directory" section**
The whole history of the Plugins Directory can be seen here, sorted out by the number of plugins published. We will update this data each month. Visit: Number of plugins in the plugin directory

2024-04-05 — **Created the "Downloads from plugin directory" section**
The data of downloads from the Plugin Directory can be seen in the section where it was available. There hasn't been an update because this dataset is limited. We hope it's not. Visit: Downloads from Plugins Directory

2024-03-25 — **Created the "All Core Versions" section**
We have created a section in which you can download the data for all core versions, including major and minor. This section will be updated as WordPress gets updated. Visit: All Core Versions (Major and minor)

2024-03-16 — **Created the "Country" Section**
We have developed a normalized table containing the countries utilized in the analysis of WPVisualData and WPOpenData. This dataset will only be updated when the GeoNames database is updated. Visit: Country

2024-03-16 — **Created the "Meetup Events" section**
You can look back over the history of WordPress Meetup Events in data. We will update this data each month. Visit: Meetup Events

2024-03-16 — **Created the "Meetup Groups" section**
You can see how the WordPress community is distributed across the world. We will update this data each month. Visit: Meetup Groups

Javier Casares
OpenData Project Leader

Javier Casares is a well-known member of the WordPress community, with 18 years of active experience in the ecosystem. Javier brings a wide range of skills in data collection and management.

Jesús Yesares
VisualData Project Leader

Jesús Yesares, with 7 years of experience in the WordPress community. Coming from the world of sciences and Geographic Information Systems (GIS).

WPOpenData

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WPOpenData: WordPress Open Data

WPVisualData

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Plugins   Themes

WordPress Visual Data

Learning about the WordPress ecosystem analyzing data

THEMES

Articles analysing different topics around WordPress themes.

PLUGINS

Articles related to everything around the WordPress plugin world.

A History of WordPress told through the number of plugins published in the Plugins Directory
2024-04-29 · Jesús Yesares

In this article we will try to build a short history of the WordPress Plugin Directory by the numbers, trying...

Read More →

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WPVisualData

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WPVisualData

Brief Description
of the Project and its Goal

The WPOpenData + WPVisualData project is set up as an innovative initiative, focused on the collection, processing, and interpretation of data related to WordPress, including both the software and the community itself, which, we believe, are crucial for the development and evolution of this ecosystem.

The ultimate goal of the project is to analyze trends, usage patterns, market analysis, and ultimately, to learn and draw conclusions from the analyzed data to provide a tool that will serve to improve processes and decision-making.

This tool will be offered in a final product consisting of two websites, one focused on offering raw data and another dedicated to the visualization and interpretation of this data,.

These resources will not only serve as a valuable source of information but also aim to establish themselves as interactive platforms for collaboration and knowledge exchange among members of the entire ecosystem.

The main goal is to provide tools that support both individual users and companies, facilitating deeper and more detailed access to WordPress data and trends, which until now has not been fully exploited.

Benefits for
Collaborating Companies

For companies that wish to collaborate on this project, it can represent a unique and interesting opportunity.

Today, data is at the center of interest for both the public and companies, in particular. Therefore, through our initiative, the company will not only gain valuable insights into the WordPress community but will also be able to guide its market strategies and product development with precise, up-to-date information gathered in one place.

Collaborating is more than mere sponsorship; it is an investment in market intelligence that will allow understanding one of the largest and most active software communities in the world. Besides, the visibility that it will mean for the company to appear in a tool that aspires to be a reference site for consulting data from a global community.

Benefits for
the WordPress Community

This project is made by and for the WordPress Community. We expect the impact of the project on the community to be significant and far-reaching.

By providing a detailed and updated analysis of community trends and needs, we are laying the groundwork for development and innovation. Developers, designers, and end-users will have access to open and accessible resources that will allow them not only to improve their practices and knowledge but also to contribute more effectively to the WordPress ecosystem.

This initiative translates into a powerful tool for informed decision-making, adapting to market changes, and identifying new opportunities and threats, thus facilitating continuous and sustainable evolution of the community.

We believe the reach of our project is extensive and its impact profound. It will not only directly benefit companies and the WordPress community but will also set a new standard in how data is used to drive growth and innovation within the WordPress ecosystem.

Clay Banks (Unsplash)

Project Viability and Support

The team has experience in data analysis, web development, and open-source community dynamics. We have the experience, skills, and passion necessary to successfully carry out this project.

With the help of sponsors, this project can be sustainable and viable in the long term, given the high interest it can generate.

Nilo Vélez

Background and Justification

The community that supports and sustains WordPress is known for its vibrant and extensive network of users, developers, and enthusiasts, being a central axis in today's web development.

This community has not only contributed to the growth of WordPress as the most used content management platform in the world but has also played a crucial role in setting web standards and promoting an open-source culture.

Moreover, the ecosystem of companies surrounding it has created a business culture that has attracted the attention of companies from other sectors.

This community, and the initiative of its members, is a breeding ground from which projects created by individuals, small businesses, or large corporations emerge, created simply for the community itself.

Specifically, related to the world of data, there have been and are interesting projects that have benefited the members and companies of the community, demonstrating the capacity of these to collaborate and create valuable resources.

Some examples include:

- DisplayWP
- The WP World

In fact, the creators of this proposal you have in your hands were authors of two projects that had strong visibility in their time:

- WPCalendar
- Historical Meetup Map presented at the State of the Word 2022

These last projects have not only served to document important events but have also been very useful during critical times, such as the COVID-19 pandemic, offering a unique perspective on the adaptation and resilience of the community.

Need for Analysis and Data in the Community

Despite these successes, there is a growing need for more profound and structured analysis and data within the community.

Even WordPress co-founder Matt Mullenweg alluded to this fact during the Q&A at WordCamp Europe 2023 in Athens.

Information on how users interact with WordPress, trends in development and design, and the evolution of software usage are vital to keep WordPress at the forefront of web technology.

Likewise, understanding how the teams contributing to the project work through data could be a tool that could help optimize the work of these teams.

While projects like WPCalendar have provided a view of global community activity, there is an interesting opportunity to deepen the understanding of these interactions and their impact. A detailed and ongoing analysis of these data will not only benefit current developers and users but will also provide a solid foundation for future strategies and attract new users and developers to the community, ensuring its longevity.

Moreover, it's not just about collecting data, but interpreting them and making them accessible and open to the public, thanks to their publication on the two planned websites and the GitHub repository.

Just as WPCalendar and the Historical Meetup Map created for the State of the Word 2022 marked milestones in documenting and visualizing community activity, this new project aims to take what has been achieved a step further: transforming data into actionable insights and enriching resources for community use.

Connection with the Past and Looking to the Future

An important factor at a time like the present, where the WordPress project has surpassed two decades, is the historical component.

Looking back with perspective, integrating historical data with contemporary analyses can provide a unique perspective.

In short, it's about looking to the future, but learning from the past, being aware of the small and large steps many took to get to where we are now: ensuring that each step forward is informed by previous lessons and experiences.

For this reason, we want to act as notaries of the current history of WordPress from the data perspective, offering a vision exempt from subjectivities, and for this, we invite you to join us in this exciting project.

Project Description

Data Collection and Analysis

The project focuses on the exhaustive collection and analysis of open data from various sources related to WordPress.

The team will dedicate itself to gathering valuable information on key community events such as Meetup, WordCamp, and Next-Gen events, as well as relevant data from teams within the community, such as those responsible for plugins, themes, or the core of the software.

On the other hand, one of the most important aspects will be the assessment of WordPress's market share, providing a clear view of its position in the market.

This broad data collection, as well as the interrelation between them, will not only serve to have a more in-depth understanding of the community's structure and dynamics but will also allow identifying trends, patterns, and opportunities for growth and innovation.

Websites: OpenData and VisualData

The project will bring to life two specialized websites: OpenData and VisualData.

OpenData will be dedicated to presenting the collected data in accessible formats such as tables and CSV, allowing users to download, explore, and use these data for their own research or projects.

VisualData will transform these data into intuitive graphics and attractive visualizations, providing a visual interpretation of the information that will make it easier to understand complex patterns and trends. These graphics will not only be powerful tools for data presentation but will also serve to tell the story behind the numbers, making the information more accessible and appealing to a wider audience.

```python
        self.file = None
        self.fingerprints = set()
        self.logdupes = True
        self.debug = debug
        self.logger = logging.getL
        if path:
            self.file = open(os.path.
            self.file.seek(0)
            self.fingerprints.update

    @classmethod
    def from_settings(cls, settings
        debug = settings.getbool(
        return cls(job_dir(settin

    def request_seen(self, request
        fp = self.request_fingerp
        if fp in self.fingerprints
            return True
        self.fingerprints.add(fp)
        if self.file:
            self.file.write(fp +

    def request_fingerprint(self
        return request_fingerpr
```

GitHub Repository

In addition to the websites, the entire dataset in its original form will be available in a GitHub repository. This access to RAW data ensures total transparency and allows other developers and data analysts to collaborate or build on our work.

The availability of open data on GitHub encourages a culture of collaboration and openness, fundamental principles of the WordPress community. This approach ensures that our contribution is not just a final product, but also an ongoing resource for innovation and development within the community.

This information pack forms a whole tool designed to offer valuable and up-to-date information, made available to the community and all those people or entities interested in what happens around their favorite content manager.

Goal and Scope of the Project

To unify, establish a new standard in how the community accesses and uses data; provide tools and resources that drive informed decision-making, foster innovation, and strengthen the community. These are the main objectives that motivate us to create this project.

By making these data easily accessible and understandable, we are opening doors to new opportunities for research, development, and collaboration, establishing a solid foundation for the continuous and sustainable growth of WordPress.

Project

Javier Casares
OpenData Project Leader

[Javier Casares](#) is a well-known member of the WordPress community, with 18 years of active experience in the ecosystem. As the leader of the OpenData project, Javier brings a wide range of skills in data collection and management.

His in-depth knowledge of WordPress and his track record of successful collaborations within the community make him highly qualified to oversee all aspects related to the collection and provision of open data.

Javier will ensure that the data is accurate, relevant, and accessible, in addition to leading efforts to maintain the integrity and updating of information in OpenData.

His experience and leadership are the foundation for the success of this project, providing a solid base on which the other components will be built.
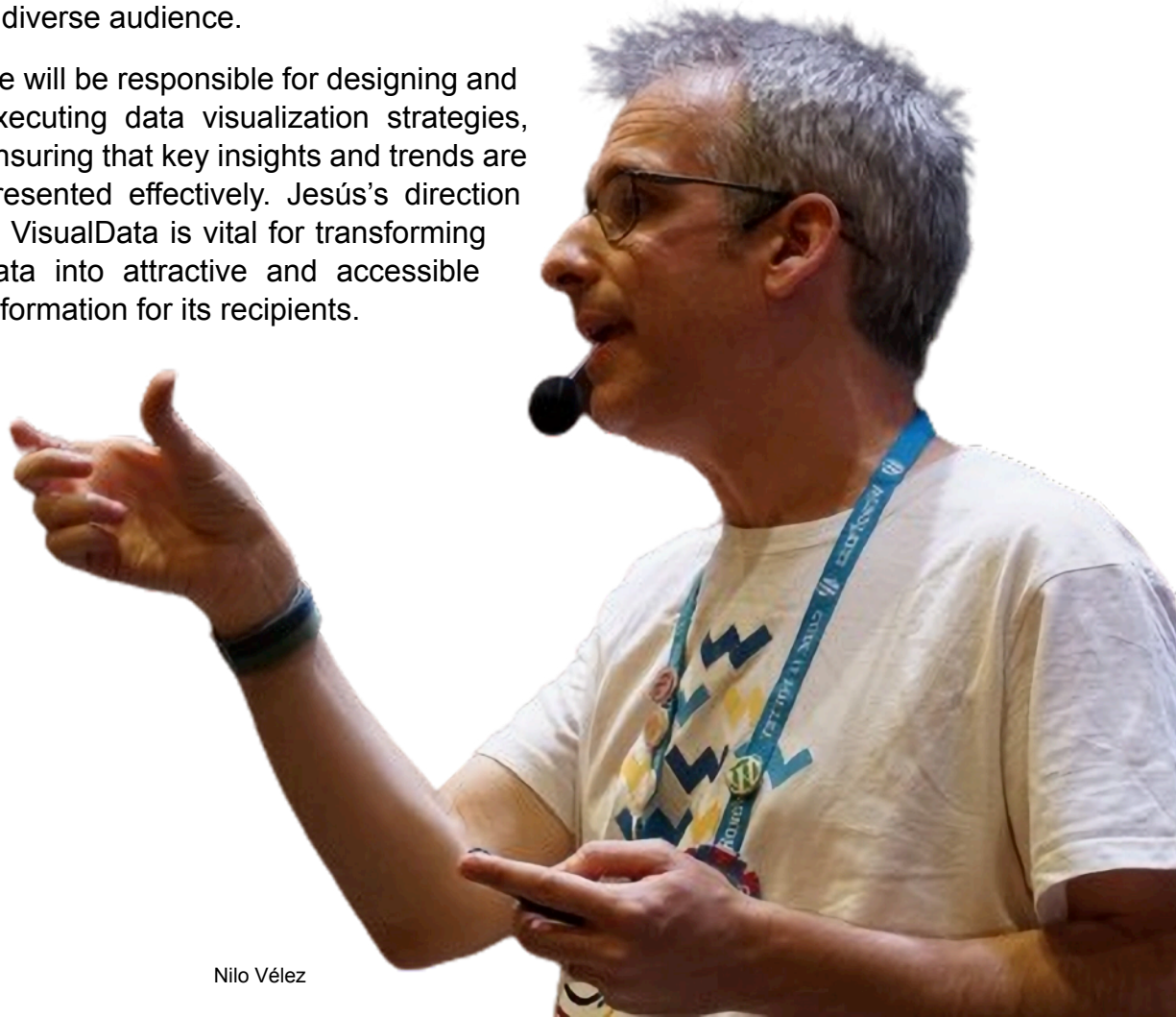
Nilo Vélez

Team

Jesús Yesares
VisualData Project Leader

[Jesús Yesares](#), with 7 years of experience in the WordPress community, will lead the VisualData project.

Coming from the world of sciences and Geographic Information Systems (GIS), as well as web design, his ability to transform complex data into clear and understandable visualizations makes him the ideal leader for this segment of the project.

Jesús combines technical focus with creativity, skills that are essential for presenting data in a way that is not only informative but also attractive and easy to understand for a diverse audience.

He will be responsible for designing and executing data visualization strategies, ensuring that key insights and trends are presented effectively. Jesús's direction in VisualData is vital for transforming data into attractive and accessible information for its recipients.

Nilo Vélez

The European
WordPress Conference
8-10 June 2023

WordCamp
Europe
Athens 2023

Nilo Vélez

Work Plan and Schedule

The project is designed as an ongoing initiative, focused on constant updating and development rather than fixed deliverables.

Each team member will commit to dedicating 8 hours per week, ensuring sustained and efficient project progression.

One of the first significant milestones will be the relaunch of the Historical Meetup Map, which will be updated monthly with data added from 2023.

In addition, we will work on integrating historical data from the plugin team. These milestones mark tangible project progress and lay a solid foundation for future expansions and improvements.

In the future, once these two micro-projects are up and running, work will be expanded to other community teams, as well as the inclusion of other data related to both WordPress events and CMS market data.

Added Value
for the WordPress Community

The value of this project lies not in creating a unidirectional tool, but in turning it into a bidirectional channel. In this way, we intend to encourage teams, community members, and companies to also share the data they deem appropriate to make available to users of the WordPress ecosystem.

In this way, the submitted data would be standardized and offered through the project's websites and repository with the appropriate attribution to the source that provided the data.

Budget and Funding

Breakdown of Costs

The open-source project we present is characterized by minimal operational costs, focusing mainly on the value of person-time.

The sponsorship requested will primarily go towards compensating the time dedicated by Javier Casares and Jesús Yesares, who will lead the OpenData and VisualData projects, respectively.

Although the project will operate with limited financial resources, some premium tools essential for data collection, analysis, and visualization are anticipated. These tools, whose costs will be covered within the sponsorship value, will ensure the efficiency and quality of the work carried out.

Justification for the Requested Monthly Allocation

The monthly allocation requested for sponsorship will help cover the time and expertise that Javier and Jesús will bring to the project. With a commitment of 8 hours of work per week each, to ensure the constant collection of relevant data and the creation of informative and attractive visualizations.

This allocation would serve not only to compensate for their time and skills, but also to ensure the continuity and quality of the project, keys to its success and sustainability in the long term.

Return on Investment
for the Sponsor

Although the return on investment (ROI) in financial terms is not the main focus of this sponsorship, it will recognize collaborating companies, providing significant visibility since this will be highlighted in all documents and websites related to the project.

This visibility to the WordPress community will highlight their commitment to supporting open-source projects and promoting a healthy free software community.

Moreover, access to the collected and analyzed data can offer the company valuable insights, which can be used to inform and improve their strategies and services.