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ANALYTICS TOOL FOR PLACEMENTS

Presented by

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INTRODUCTION

- Data analytics is a method of applying quantitative and qualitative techniques to analyze data, aiming for valuable insights. With the help of data analytics, we can explore data and we can even draw conclusions about our data.
- In this project, we will fetch the dataset from the external API. Using the IBM Cognos Analytics tool cleaned data module is created. Using those exploration ideas dashboards, reports, and stories are created. Finally, the dashboard, report, and story are linked to the webpage.



ABSTRACT

- The "Analytics Tool for Placements" is a sophisticated software solution designed to revolutionize the recruitment and placement process by leveraging data analytics and cutting-edge technology.
- This tool aims to streamline the entire placement lifecycle, from identifying job opportunities to matching suitable candidates and employers.
- Through the analysis of comprehensive data sets, it provides insights into job market trends, candidate profiles, and employer requirements.

LITERATURE SURVEY

PAPER-I

TITLE: Reforming Education and Employment Placements.

It delves into the challenges and shortcomings within this domain, underscoring the demand for innovative solutions that harness data analytics and advanced algorithms to optimize placement processes. The survey traverses through distinct segments, beginning with an assessment of the prevalent challenges faced by educational institutions, employers, and students.

LITERATURE SURVEY

PAPER-II

TITLE: Navigating the World of Job Placements.

It delves into the wealth of research and insights available on the topic . This survey acts as a compass, guiding recruiters, employers, and job seekers alike through the intricate maze of placements. By consolidating and summarizing the most relevant and up-to-date literature, we aim to empower stakeholders with the knowledge they need to make informed decisions and ensure successful outcomes in the ever-changing landscape of job placements.



LITERATURE SURVEY

PAPER-III

TITLE: Exploring the Dynamics of Job Placements.

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It delves into this complex realm. This survey serves as a guide for recruiters, employers, and job seekers, helping them navigate the intricate path of placement processes. By summarizing and presenting the most relevant and up-to-date literature, we aim to provide the knowledge necessary for making informed decisions in the ever-evolving landscape of job placements.



LITERATURE SURVEY

PAPER-IV

TITLE : Exploring the Landscape of Job Placements.

It delves into the intricacies of this ever-evolving field. This survey serves as a valuable compass for recruiters, employers, and job seekers alike. By synthesizing the most relevant and current literature, we aim to empower individuals and organizations with the knowledge needed to make well-informed decisions, thereby ensuring success in the dynamic world of job placements.



DRAWBACKS IN EXISTING SYSTEM

- **Outdated Technology:** Many systems operate on obsolete technology, leading to compatibility issues and security vulnerabilities.
- **Lack of Integration:** Poor interoperability results in data silos and manual data entry.
- **Security Vulnerabilities:** Insecure systems expose sensitive data to risks.
- **High Maintenance Costs:** The need for frequent updates and fixes can be financially burdensome.

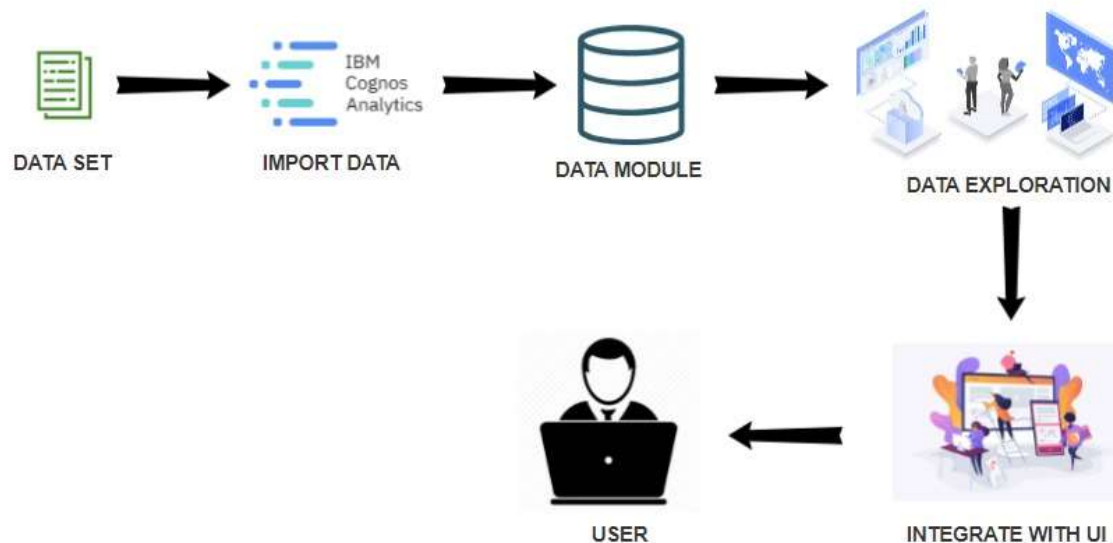
PROPOSED SOLUTION

- **Problem Statement (Problem to be solved):** This tool will collect, analyze, and visualize data on student placements, employer engagement, and job market trends. It aims to enhance decision-making, increase placement rates, and improve the overall effectiveness of career services.
- **Idea / Solution description:** This tool will optimize the recruitment process for universities and organizations. This tool will utilize AI and data analytics to match students with job opportunities, track application progress, and provide real-time insights into placement trends.

ADVANTAGES

- **Efficient Candidate Selection:** This allows recruiters to identify the most suitable candidates based on various parameters such as skills, experience, and academic performance.
- **Data-Driven Decision Making:** By leveraging analytics, placement teams can make informed decisions backed by data. This minimizes guesswork and subjective biases, leading to better placement outcomes and a higher probability of candidates excelling in their roles.

DATAFLOW DIAGRAM



SOLUTION ARCHITECTURE

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SYSTEM SPECIFICATION

HARDWARE USED:

Processor -AMD/INTEL

RAM -4GB

Hard Disk -256 GB

SOFTWARE USED:

Language - Python, HTML, CSS and JavaScript

Framework - Flask

Package Manager & Build Tool - PIP

Database - IBM_DB2

Service - SendGridAPI(Email)



MODULES

1. Authentication

- Login
- Sign in

2. Home

- Home page of the Project.

3. About

- About the Project Web Page.

4. Analysis Page

- Dash Board Page
- Report Page
- Stories Page

MODULE DESCRIPTION

1. Authentication: Users can create a new account or log in to an existing account. It typically requires users to provide a username or email address and a password for authentication purposes. Once authenticated, users can access their personalized content or services on the website.

2. Home: User will know about the site using the home page. It contains other navigation page like services page, team page, about page and analysis page. It act like starting page of the website.



MODULE DESCRIPTION

3. About : In this, it contains about the services provided by the web site. It also contains why literacy rate analysis has been done, past literacy rate surveys, service details etc...

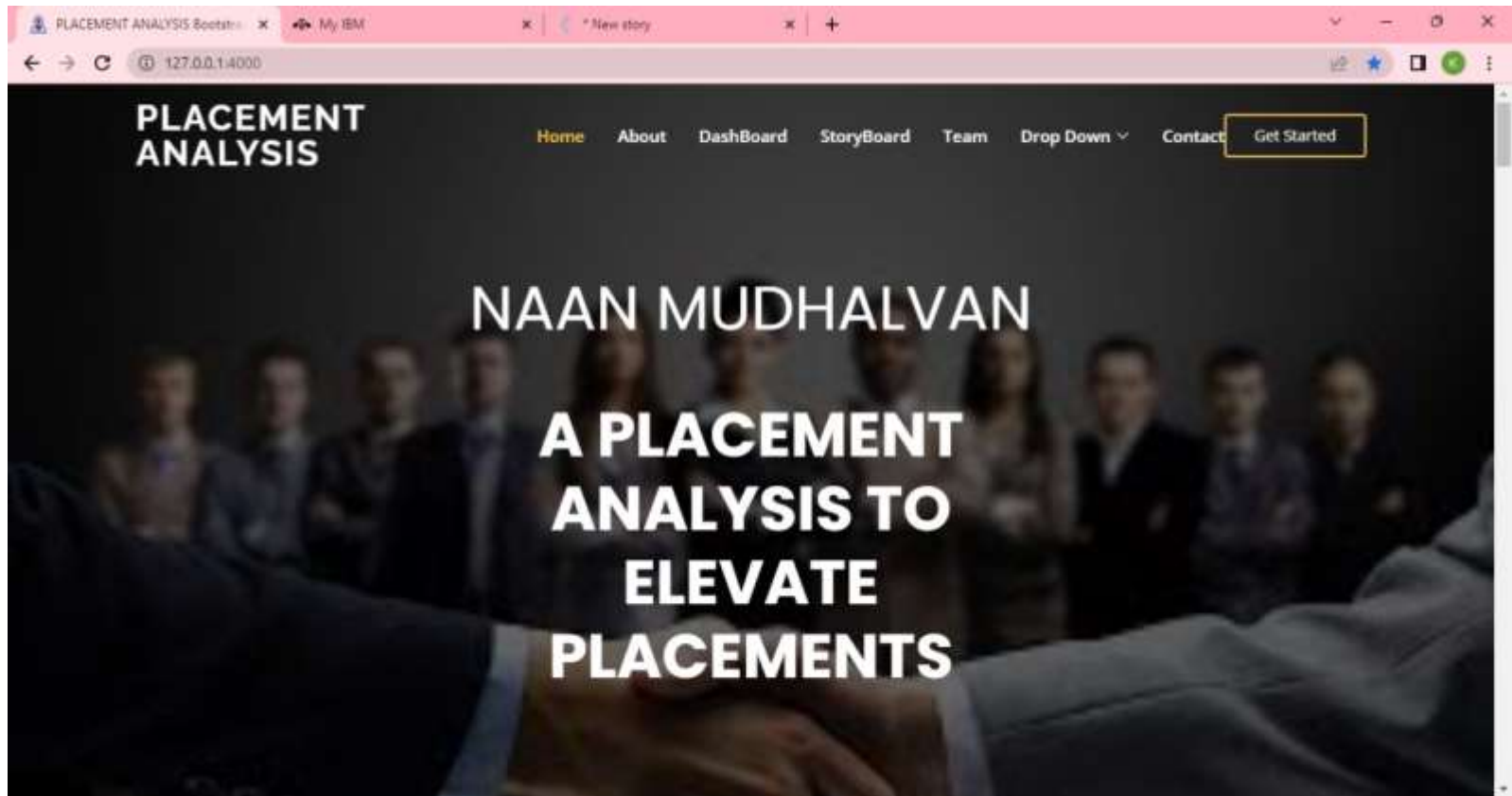
4. Analysis Page : It contains about dash boards, reports and stories of the literacy rate analysis, their rate percentage, gender based literacy rate, state and area based analysis.



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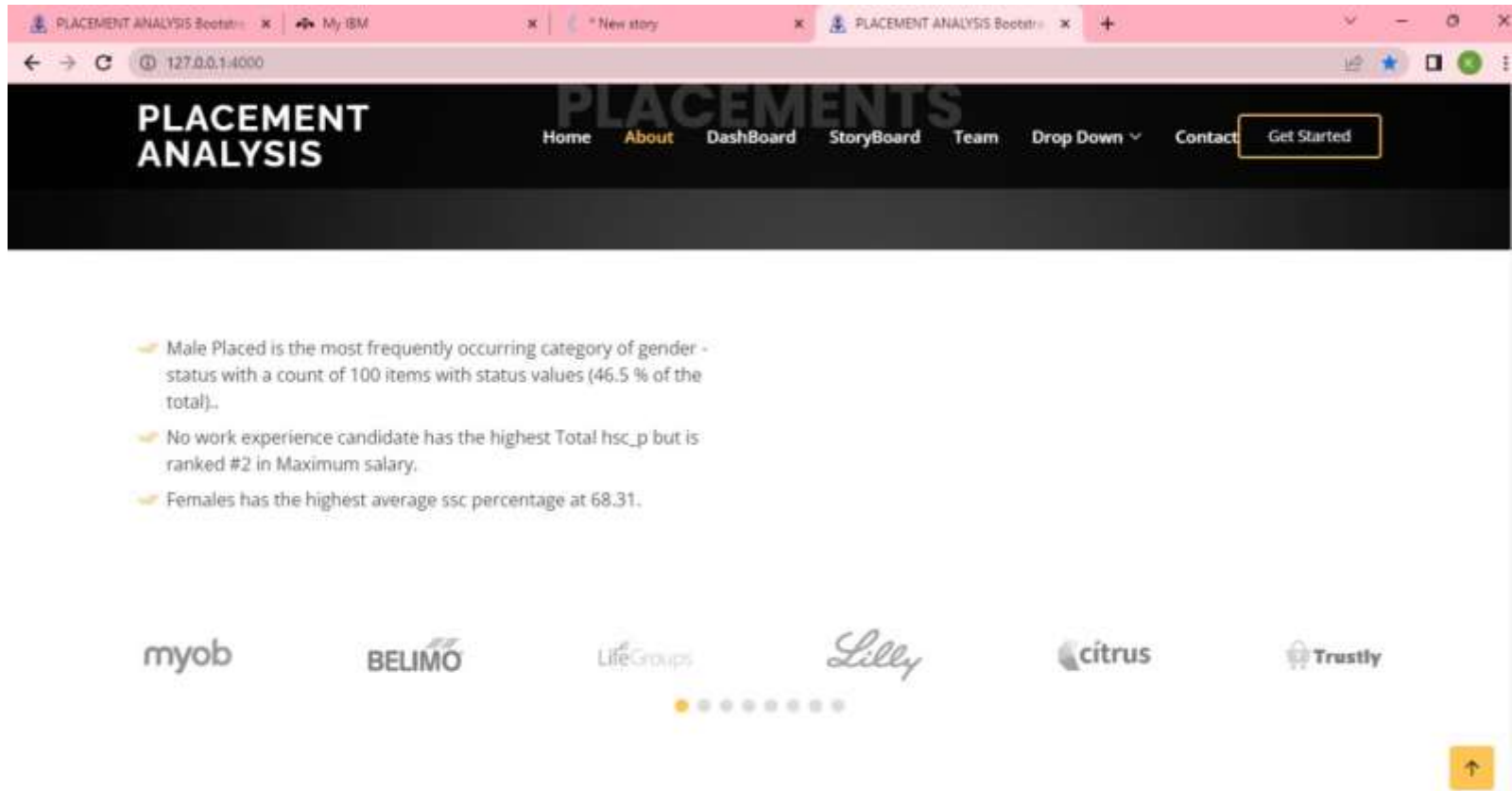
RESULT AND DISCUSSION

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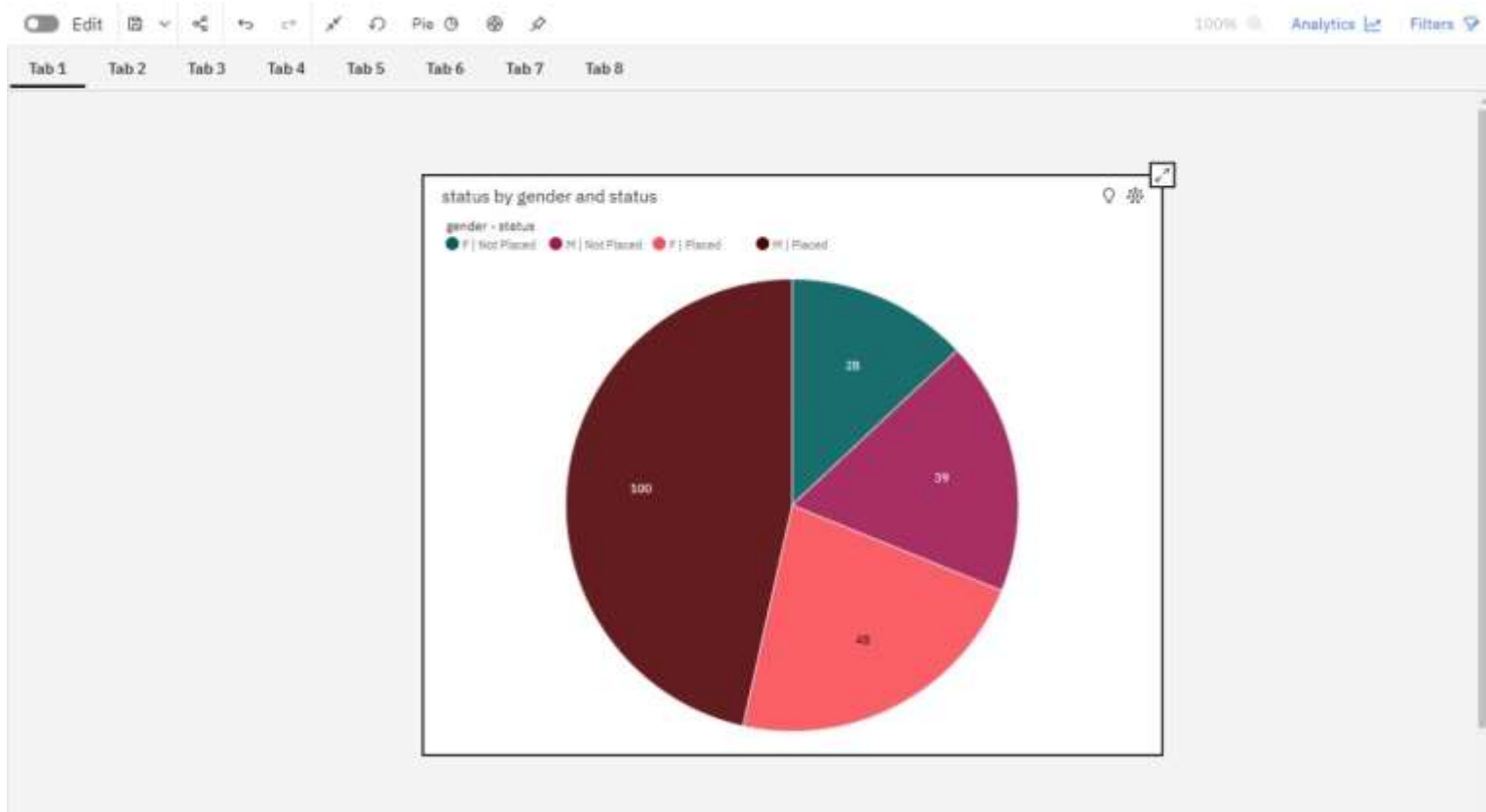
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RESULT AND DISCUSSION



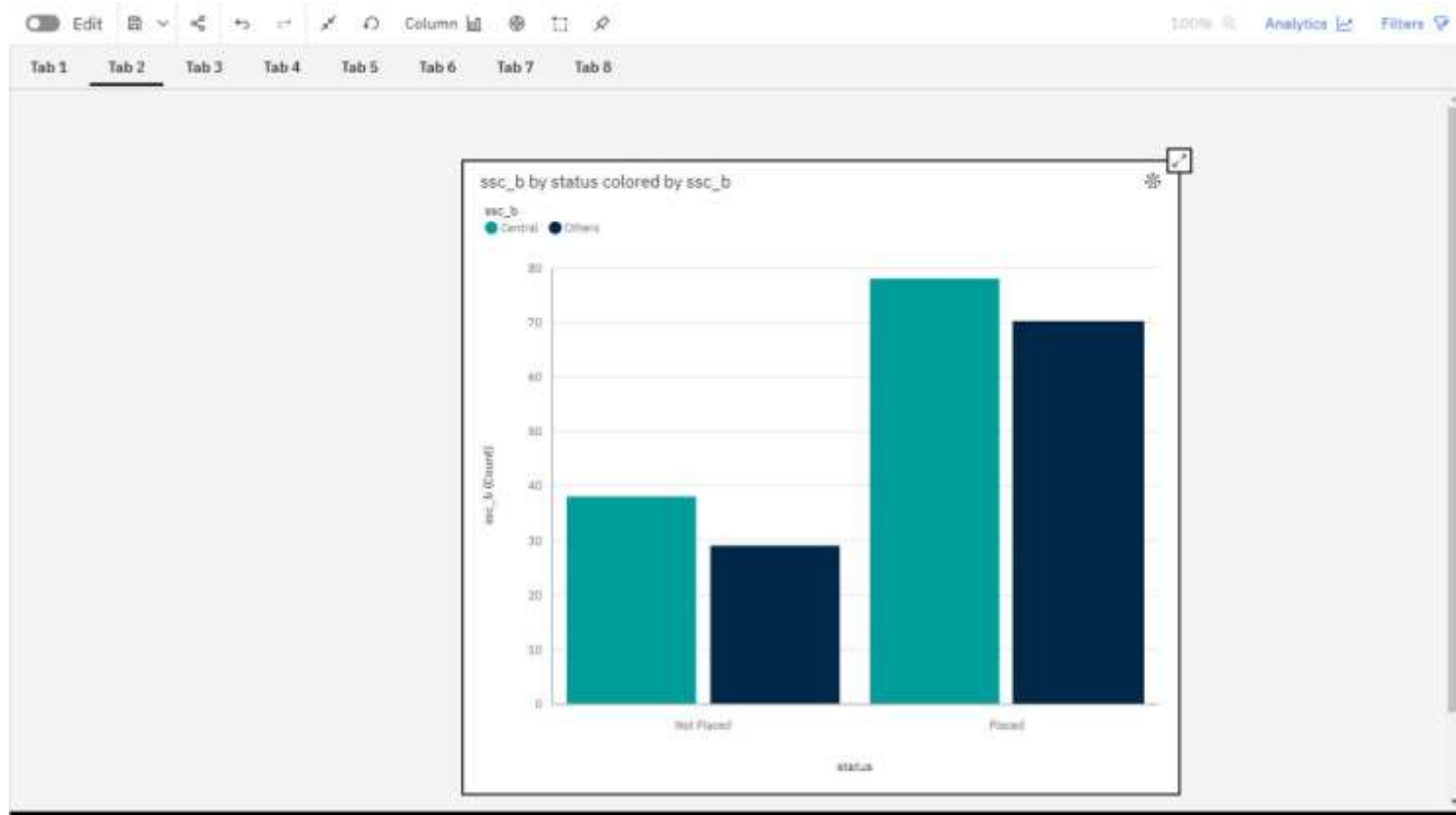
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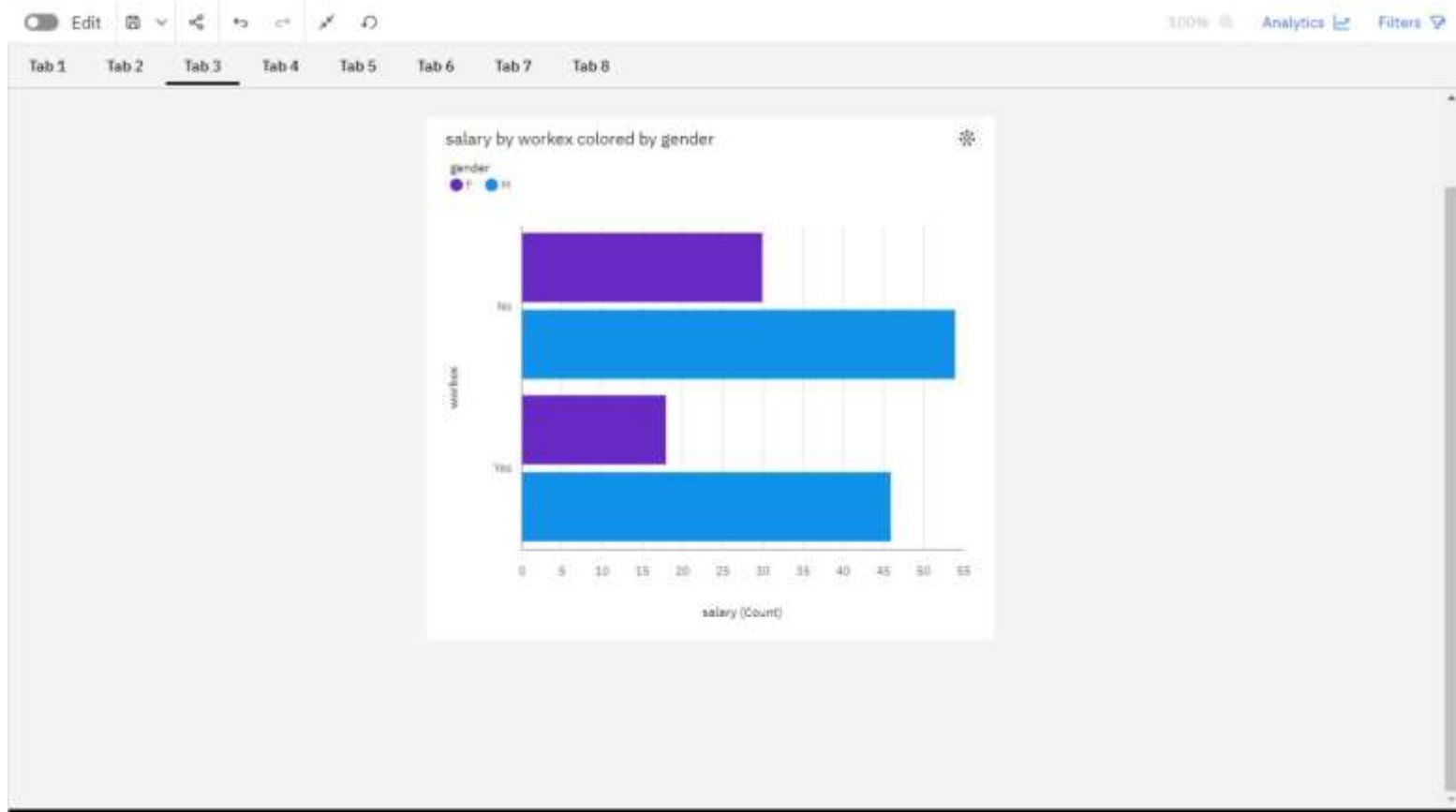


RESULT AND DISCUSSION

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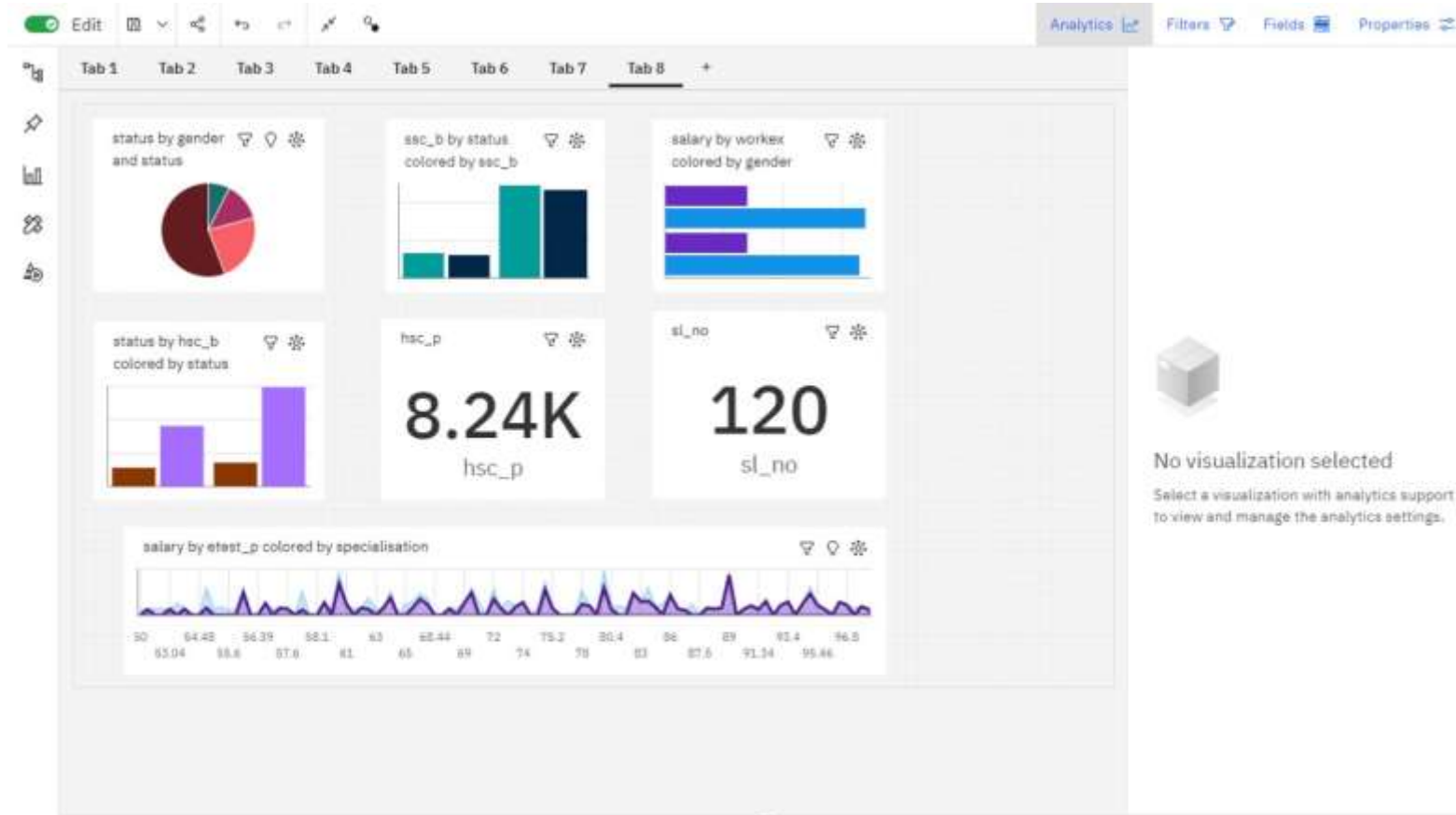


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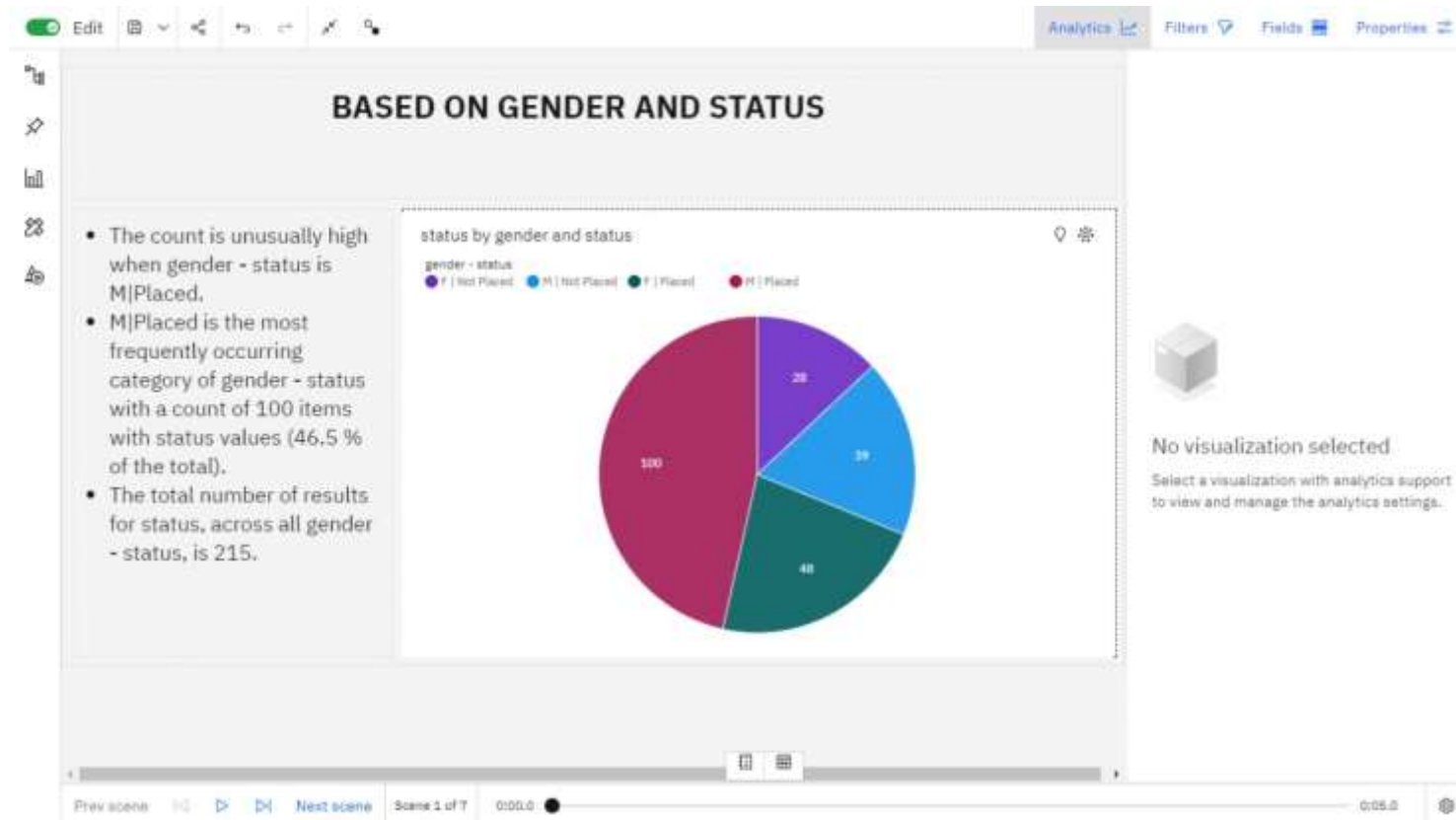
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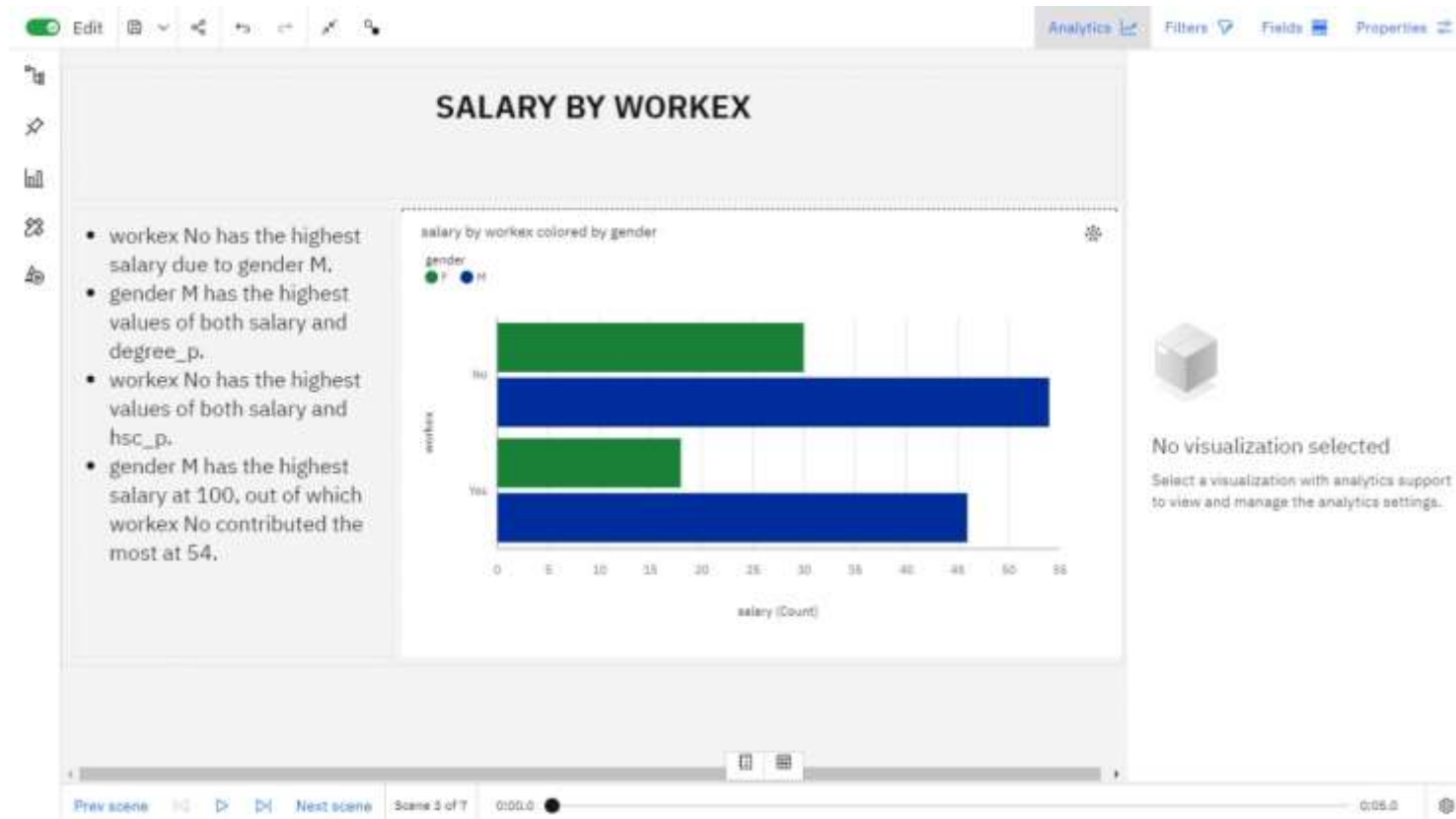
RESULT AND DISCUSSION

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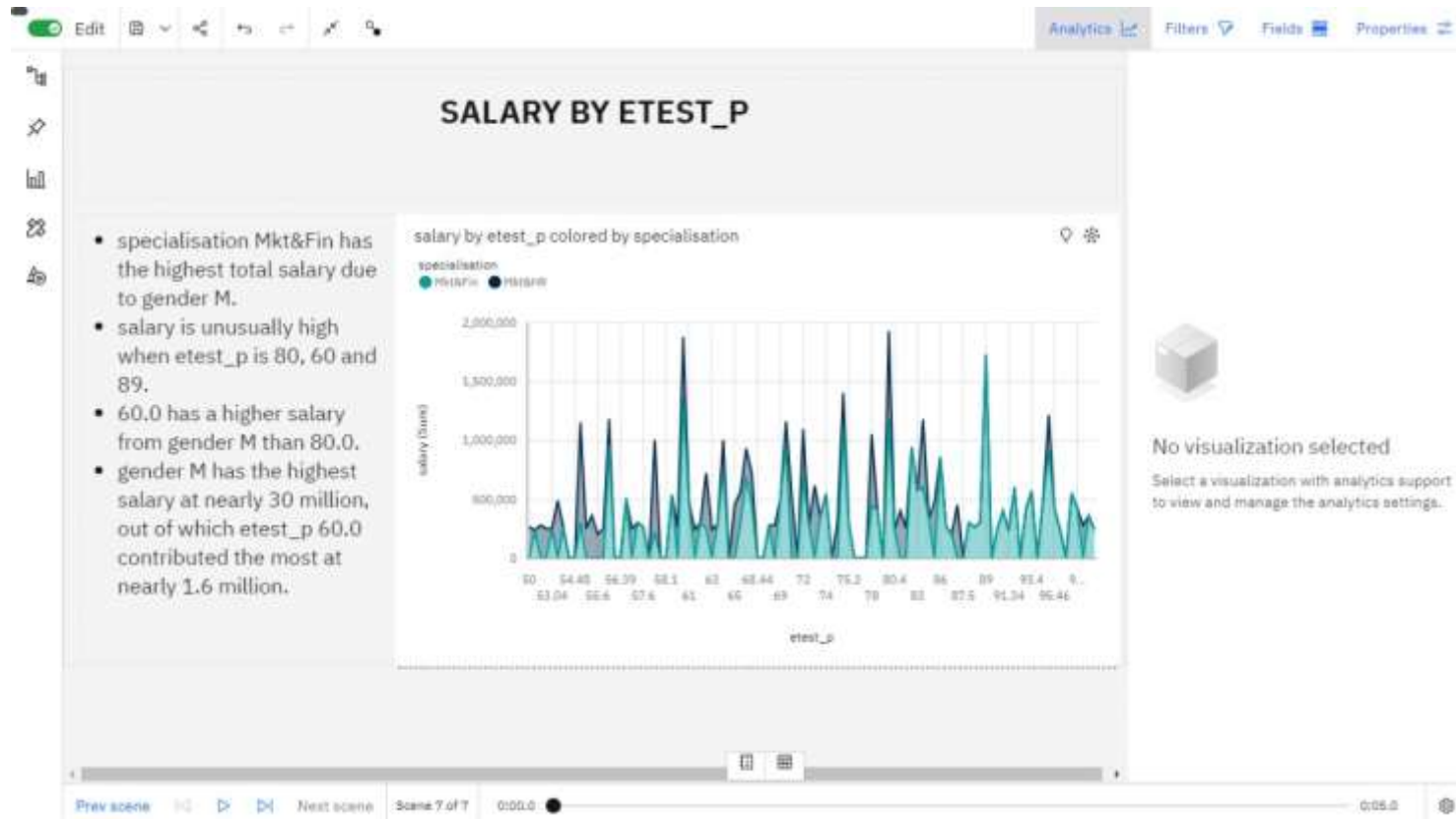
RESULT AND DISCUSSION

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RESULT AND DISCUSSION

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CONCLUSION

- In conclusion, analysis tools for placement hold significant promise in shaping the future of career and job placement services.
- These tools are poised to leverage advanced technologies such as data analytics and artificial intelligence to provide more accurate insights into job market trends and personalized career recommendations.

FUTURE SCOPE

- The future scope of these tools extends to global opportunities, remote work, and the gig economy, making them adaptable to evolving employment trends.
- Ensuring data privacy and security remains paramount as these tools handle sensitive personal information.
- Overall, analysis tools for placement are dynamic and responsive to the changing landscape of the job market and user needs.



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THANK YOU

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