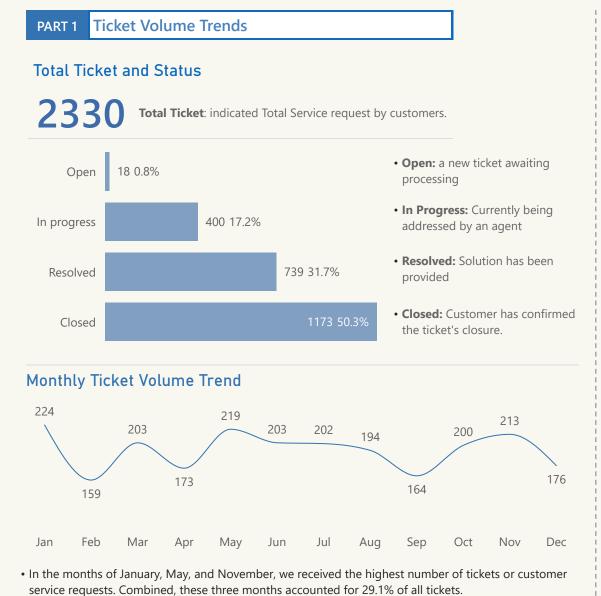


The objective of this project is to analyze the functioning of a Technical Support Centre by exploring key performance indicators (KPIs). This analysis aims to provide insights into ticket volume trends, ticket content and resolution, and overall performance metrics.



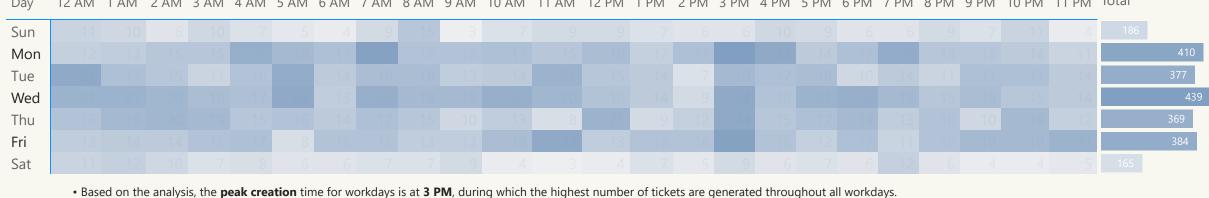
• In contrast, February had the lowest number of requests, with only 159 tickets submitted.

Ticket Volume by Day Type Ticket Volume by Work Hours Weekends 351 (15.06%) Work Hours 764 (32.79%) After Work Hours 1566 (67.21%) Workday 1979 (84.94%) • Tips: Weekends are defined as Sunday and Saturday, • Tips: Work hours are defined as the period between 9 while all other days are considered weekdays. AM and 5 PM. Any time after 5 PM and before 9 AM is

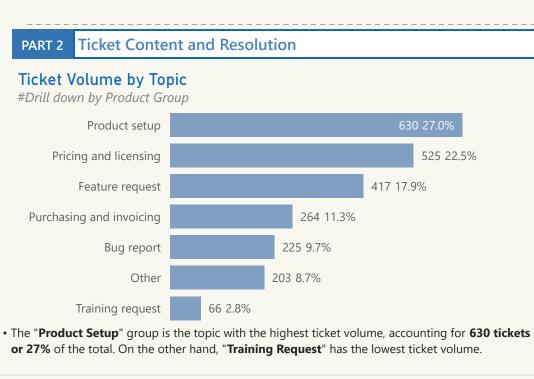
considered after work hours Total Ticket by Week 61 58 53 35 Week

- In When looking at ticket volumes on a weekly basis, Week 3 had the highest number of tickets with a total of 61. This is followed by Week 18, which saw 58 tickets. · Conversely, Week 52 experienced the lowest ticket volume, with only 24 tickets recorded.

## Peak Ticket Creation by Day | Time • Tips: In this visualization, the darkest blue indicates high ticket creation, while the light blue indicates low ticket creation. 12 AM 1 AM 2 AM 3 AM 4 AM 5 AM 6 AM 7 AM 8 AM 9 AM 10 AM 11 AM 12 PM 1 PM 2 PM 3 PM 4 PM 5 PM 6 PM 7 PM 8 PM 9 PM 10 PM 11 PM Total



• Furthermore, when examined on a day-to-day basis, it is observed that **Wednesday** experiences the highest ticket generation.



Ticket Volume by Source Phone 246 (10.56%) Chat Email 850 (36.4...) 1234 (52.9...) • The majority of tickets were generated via email, with a total of 1,234 tickets accounting for 52% of the total.

**#Source Indicate** Channel of Service Request(

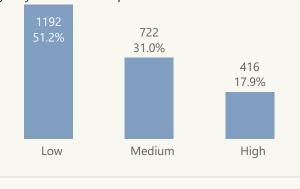
where customer connect for help).

## #Support-Level Indicate Ticket dificultie level. Tier 1 **1770**

Ticket Volume by Support Level

**#Priority** Indicates the urgency of a ticket, reflecting how urgently a customer requires service.

Ticket Volume by Priority



An "SLA Violation" occurs when the service provider fails to meet the

agreed-upon service standards. For instance, if the SLA requires an

issue to be resolved within 24 hours and the issue is not resolved

within that time frame, it is considered an SLA violation

## Before diving into SLA-based insights, it's important to understand the following key concepts: \*Within SLA

Investigation of first response and resolution times against SLAs

SLA stands for **Service-Level Agreement**, is a contract between a service Within SLA means that the service provider has met the agreed-upon provider and a customer that outlines the expected level of service.

\*First Response

\*What is an SLA?

AVG First Response Time

Ticket Priority.

Priority

Medium

High

Low

**Total** 

# Is First Response time (minute) affected by

74.20

78.39

131.22

93.42

SLA Violated Within SLA Total

high, medium, and low priority tickets are nearly the same.

• However, the response time is notably affected by the ticket source.

First Response refers to the initial reply or acknowledgment from the service provider after a ticket or service request is submitted by the

#AVG First Response time (minute) against SLA. First Response

SLA

**Total** 

16.22 22.68

16.38 24.76

16.21 30.19

16.30 26.07

**SLA Violated** 

Within SLA

service standards. For example, if the SLA specifies a response time of 1 hour and the service provider responds within that time frame, they are considered to be within SLA \*Resolution Time

Resolution Time is the total time taken to resolve a customer's issue from the moment the ticket or service request is created until it is fully resolved.

93.42

16.30

26.07

# Is First Response time (minute) affected by

Source SLA Violated Within SLA Total

6.86

253.52

18.26

93.42

Ticket Volume

311

2019

2330

1.93

5.31

1.02

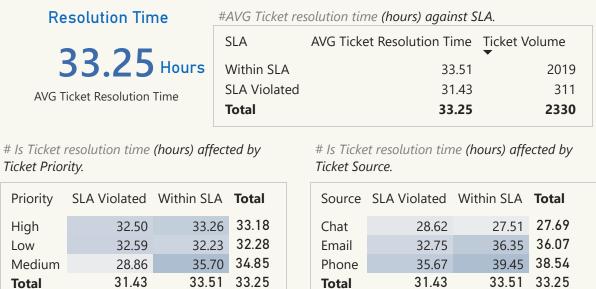
0.99

30.08 48.40

17.16 26.83

take slightly longer to resolve compared to high and low priority tickets.

\*SLA Violation



However, the average resolution time varies significantly based on the ticket source.

Purchasing and invoicing Training request

When examining resolution times by priority level, there isn't a significant difference. Medium priority tickets

Total Ticket by Country and Topic | User can drill down it by Product group, priority and ticket source Feature request Other Pricing and licensing Product setup

• When analyzing first response times by priority level, there isn't a significant difference. The response times for

+ Austria 13 21 20

**AVG First Response Time** 

Ticket Source.

Chat

**Email** 

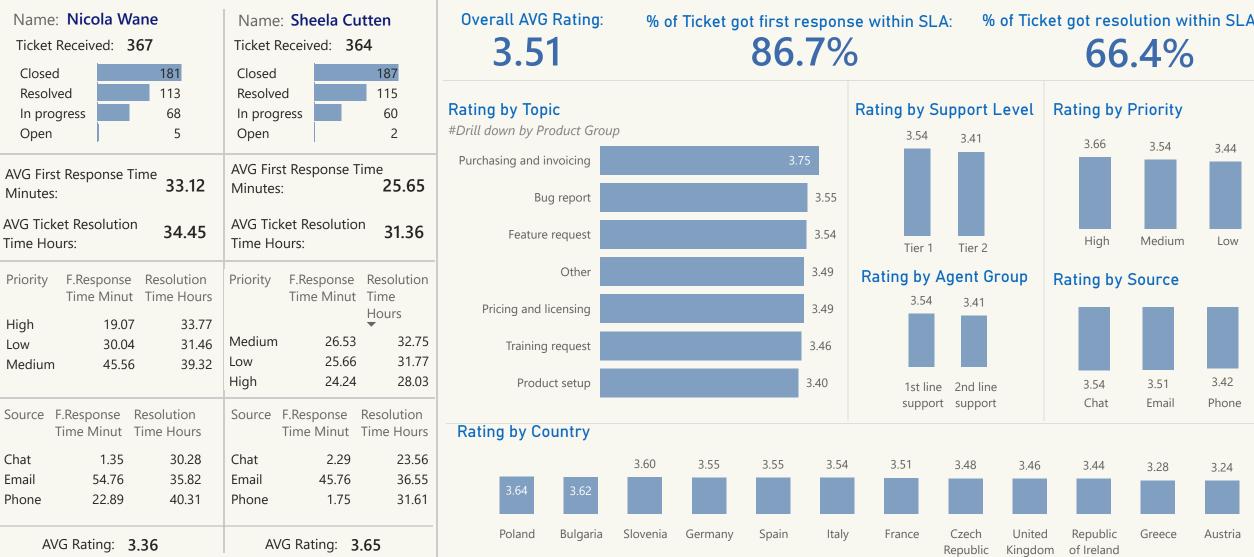
Phone

**Total** 

_								
⊞ Bulgaria	10	20	15	28	37	16	5	131
Czech Republic	13	18	12	32	38	18	3	134
→ France	12	29	14	31	45	22	5	158
<b>H</b> Germany	34	63	24	66	76	32	11	306
⊕ Greece	13	30	9	30	36	24	2	144
	21	59	17	79	83	32	12	303
→ Poland	35	54	21	63	73	30	11	287
⊕ Republic of Ireland	18	19	17	36	38	16	4	148
	17	29	12	33	43	22	3	159
∃ Spain	15	19	12	27	45	13	2	133
	24	56	30	63	75	28	7	283
Total	225	417	203	525	630	264	66	
PART 3 Performance M								

## **Agent Performance**





Approximately 27% of the total tickets, amounting to 630, are related to product setup, despite this category having the lowest satisfaction rating. To improve customer experience, it is essential to focus more on product setup-related services. We can enhance our support by providing comprehensive documentation and creating YouTube

PART 4

Recommendation

tutorials to assist customers effectively. The analysis shows that over 50% of tickets are created via email, which is a professional way, but its first response time is much longer compared to chat and phone, impacting customer

The analysis shows that over 50% of tickets are created via email, which is a professional way, but its first response time is much longer compared to chat and phone, impacting customer experience. To improve this, we should aim for a minimum email response time of 5 minutes to enhance customer satisfaction and also work on reducing resolution times.

Only 86.7% of total tickets received a first response within the SLA, which affects our overall customer satisfaction. By utilizing chatbots and AI, we can handle simpler tickets more efficiently,

experience. To improve this, we should aim for a minimum email response time of 5 minutes to enhance customer satisfaction and also work on reducing resolution times.

improving our response rate and customer service within SLA. We can enhance the performance of our lowest-performing agents by providing them with targeted training. Additionally, assigning more challenging tickets to our top-performing agents can improve overall customer service efficiency.