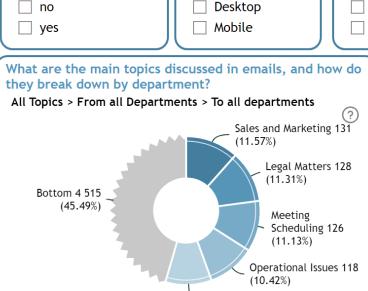


Within Workdays

Email Data Analysis

Email Communication Patterns

Sentiment and Engagement Analysis



Device

Desktop

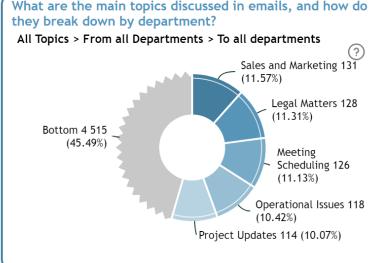
Within Work Hours l no yes

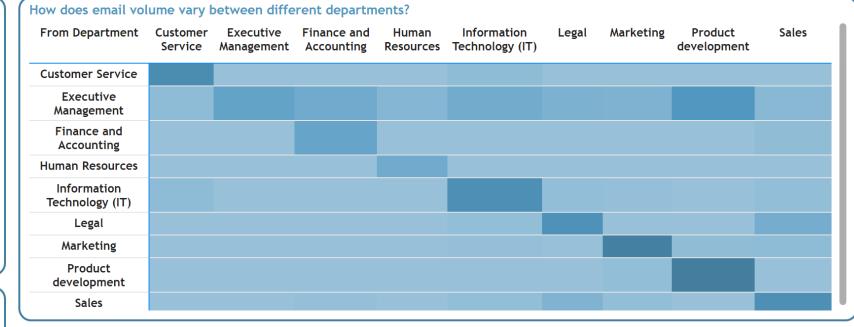
Total Emails Sent 1132

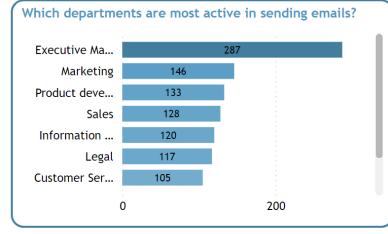
Total Emails Received 1132

Total Emails Opened 1034

Average Emails Per Day 39.03



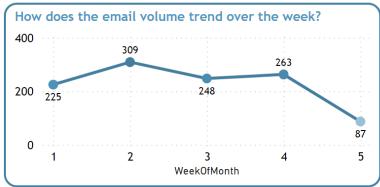




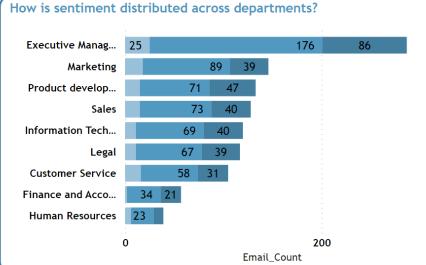
seniority levels within the organization?								
From seniority	C-level	Middle level management		Total				
C-level	48	203	36	287				

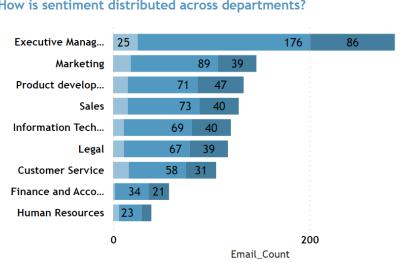
How does the volume of email communication vary between different

		management		
C-level	48	203	36	287
Middle level management		32	313	345
Professional		200	300	500
Total	48	435	649	1132



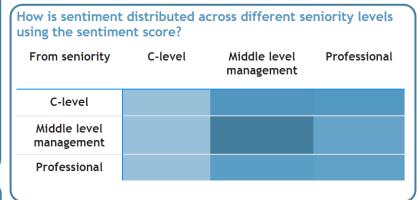


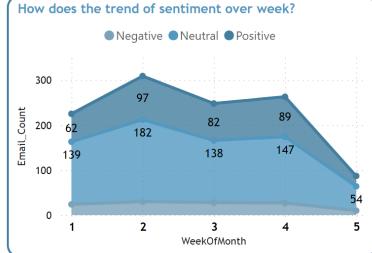


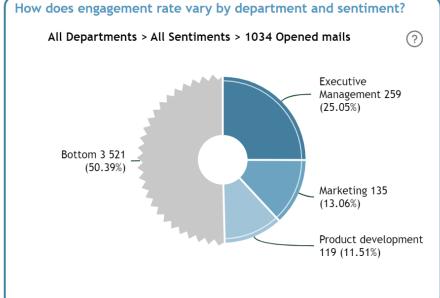


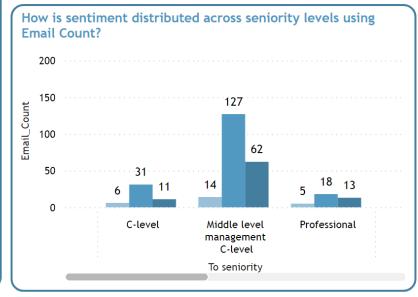


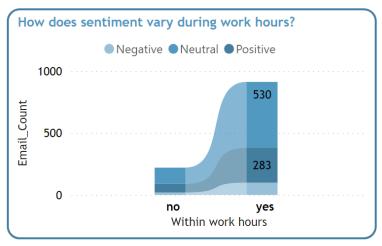












My Observations

Email Communication Patterns

- The organization exemplifies dynamic email engagement, exchanging a total of 1,132 emails during the analyzed period, with an exceptional 1,034 emails actively opened, averaging a robust 39.03 emails daily.
- Sales and Marketing dominated discussions, comprising 11.57% of communications, reflecting our strategic emphasis on driving business initiatives. In contrast, Security Alerts, with a modest 1.59% representation, highlight an area where focused communication enhancement may be beneficial.
- Executive Management spearheaded communication efforts with 287 emails, underscoring their pivotal role in organizational direction, while Human Resources exhibited a more restrained activity with 39 emails.
- Desktop devices were the preferred medium for accessing emails, capturing 75.97% (860), with mobile devices accounting for the remaining 24.03% (272).
- Across seniority levels, C-Level executives initiated broad engagement with 287 emails, Middle Level Management directed 345 emails primarily to professionals, and professionals reciprocated with 500 emails, delineating a structured communication hierarchy.
- Email volume peaked notably in the second week with 309 emails and gradually eased to 87 by the fifth.

Sentiment and Engagement Analysis

- Our sentiment and engagement analysis dashboard provides comprehensive insights into email communication patterns within the organization. A total of 1,132 emails were sent, with 353 positive and 119 negative emails, indicating a predominantly positive sentiment.
- Executive Management emerged as the most active department, sending 287 emails, including the highest number of positive 86 and negative 25 emails, while Human Resources sent the least 39 emails. The engagement analysis showed that Executive Management had the highest email open rate 259 emails, with 80 positive and 23 negative emails opened, reflecting strong engagement.
- Weekly sentiment trends revealed a **peak in positive emails** during the second week (97 emails) followed by a decline, and a stable yet slightly fluctuating negative sentiment peaking in the second week 30 emails.
- Within work hours, the positive sentiment was higher 283 emails compared to non-working hours 70 emails, whereas 99 negative emails were sent during work hours, indicating potential issues in communication tone during regular hours.

The explicit of conjusts lovels showed that Middle I avail Management to Ductorious linterpoticus had the highest number of both necitive 00 amoils and negative