Abstract

2021 – 2022
Interaction Analytics
Product and Market Report
DMG Consulting’s 2021 - 2022 Interaction Analytics Product and Market Report, our 16th annual report on this sector, focuses on contact center and service-related uses of interaction analytics (IA). It also covers broader applications of IA throughout the enterprise, including its value in operationalizing the findings from voice-of-the-customer (VoC), customer journey analytics (CJA) and customer experience (CX) solutions. The Report also examines the substantial benefits of embedding IA in third-party applications to enrich their output and findings.
Interaction analytics has proven its effectiveness in both the best and worst of times. During the COVID-19 pandemic, it became an essential application for enterprises, not just contact centers, as it provided insights into customer wants and needs as well as employee performance, data that was unavailable from any other source. The output from IA applications enabled companies to keep their employees safe, sustain the integrity of their brand, adapt to an increasingly digital economy, and remain relevant during a period of unprecedented upheaval and challenges.

Customers expect the companies they do business with to be agile and responsive to their needs. Companies need to gather information about customers’ concerns in order to provide this level of consistently outstanding service. Voice-of-the-customer solutions (otherwise known as surveying) can be used to solicit this data, but there is a risk of survey fatigue if this process is used too often, and there are also times, such as during the pandemic, when it’s inappropriate to ask customers for feedback. Interaction analytics, however, is able to provide these necessary customer insights because it is passive and gathers information without having to ask customers to respond. Deriving vital data from customer interactions has allowed companies to adopt a “customer-first” approach to service, enabling them to pivot to address rapidly changing customer needs.

Enterprises also need data on how well their employees are delivering service on an ongoing basis. Companies need inputs that can be used in the moment to alter outcomes during customer interactions, as well as data from past transactions to help identify patterns and opportunities to improve performance. Interaction analytics is the only application that can provide both real-time and historical information for analysis.

Digital transformation is occurring in companies at an increasing rate, and companies that were putting off the transition to digital service experienced a harsh wake-up call during the pandemic. Customers are expressing a growing preference for digital transactions, particularly self-service, and companies need to be prepared to respond in customers’ digital channels of choice. Interaction analytics is highly beneficial because it can address voice and digital channels. Companies should use IA to gain visibility into
what is happening across channels and business units and obtain a comprehensive understanding of the customer journey.

The world of work has also been transformed by the pandemic. Work-at-home (WAH) is here to stay. Competition for agents has become fierce, as digital transformation has expanded the prospective employee pool nationally and even internationally. Interaction analytics addresses this challenge with its ability to understand and analyze voice and digital interactions in multiple languages. It can provide real-time alerts and next-best-action guidance to agents regardless of where they are based. IA also provides visibility and oversight into the performance of remote staff, which is essential for an increasingly geographically dispersed workforce. Interaction analytics can perform automated quality management (AQM), more accurately overseeing agent performance and gathering customer insights than the traditional manual methods of quality management. Together with robotic process automation (RPA) solutions, IA can also be used to audit 100% of financial interactions performed by agents.

The 2021 – 2022 Interaction Analytics Product and Market Report provides a comprehensive and insightful analysis of the IA market, competitive landscape, product innovation, as well as market, business and servicing trends and challenges. The Report examines market activity and provides 5-year market projections. It also explores customer satisfaction with vendors, products and pricing, and offers implementation and operational best practices to help users realize an ongoing return on their investment. This Report is intended to help contact center and enterprise leaders and managers in small, mid-size and large companies select the right solution, technology, functionality and partner to meet their organization’s current and future interaction analytics needs.

The 2021 – 2022 Interaction Analytics Product and Market Report features seven vendors who offer an interaction analytics solution as part of a broader WFO offering or as a best-of-breed solution. These vendors are: Calabrio, Clarabridge, NICE, OnviSource, Sestek, Verint and Xdroid. Three other vendors, CallMiner, Observe.ai, and Yaqtrac, are covered at a higher level.
Report Highlights

- **Interaction analytics is the best source for important customer and employee insights:** Interaction analytics solutions enable companies to alter the outcome of customer conversations, responding in real time, and to passively gather historical data that provides insights into customer wants and needs as well as employee performance. This information is key to enabling a company to be agile in addressing customer expectations for service and for optimizing employee performance in delivering a consistently high-quality customer experience.

- **The digital transformation is driving the need for IA solutions:** Companies need to be prepared to respond to customers in their channels of choice, which are increasingly digital. Interaction analytics follows conversations as customers pivot from one channel to another, providing necessary insights into all touchpoints in the customer journey.

- **Interaction analytics is driving the quality management process into the future:** Interaction analytics can be used to perform automated quality management, which can identify company and customer insights more accurately than traditional manual quality management. This means that it can help determine if agents are doing their jobs properly and are accurately responding to customer needs in all channels.

- **Companies will benefit from IA capabilities as they transition to the “new normal” business world:** Work-at-home and hybrid workforces have become the norm. Companies need IA to oversee the performance of remote and international employees. Interaction analytics can alert and guide agents to the next best action, regardless of where those employees are located.
Key Reasons to Buy This Report

- Interaction analytics defined, how it works, and a high-level overview of the key functional capabilities in the 7 featured IA solutions
- Current market and business trends and challenges that are driving vendor innovation and enterprise investments
- Vendor innovation; feature and functionality enhancements recently released and near-term updates planned for the next 12 – 18 months
- Examination of the contributions of interaction analytics to businesses during the worldwide COVID healthcare crisis and vendor opportunities precipitated by the pandemic
- A guide for getting started with analytics-enabled quality management (AQM) and steps for a successful implementation
- Examination of how IA is an essential tool for capturing the voice of the customer, understanding the customer journey and measuring and improving the customer experience
- Discussion of how the findings from IA can be operationalized and applied to broader enterprise-wide applications, including strategic opportunities
- Market activity and market share analysis, adoption rate and 5-year projections
- Review and assessment of the IA competitive landscape, including a high-level company overview of the featured vendors
- Analysis of the key functional capabilities of the 7 featured IA solutions; artificial intelligence (AI) and automation, system administration, security features, and business intelligence (BI), reporting and dashboards
- Implementation analysis; vendor implementation methodology and best practices, professional services, training and workshops, return-on-investment (ROI) time frame and benefits for building a business case
- Pricing comparison and analysis for 250-seat on-premise and cloud-based implementations
- Comprehensive vendor satisfaction survey results that measure and rank vendor approval ratings across 10 vendor categories, 9 product capabilities and 5 product effectiveness categories
- Detailed company reports for the 10 vendors covered in this Report, including product functionality and future product development plans
- Interaction Analytics Vendor Directory
Figure 1: Interaction Analytics

**Integrations**
- CJA
- Surveying/VoC
- Quality management
- Knowledgebase
- RPA
- IVA
- Other third-party systems

**Core Capabilities**
- Omni-channel recording
- Indexing, categorization, search queries
- Concept extraction
- Speaker-separated analysis
- Talk/silence analysis
- Emotion detection
- Sentiment analysis
- Discovery
- Trend analysis
- Root cause analysis
- Redaction
- AQM
- Tuning/Training
- Reporting, dashboards & alerts

**Underlying Technology**
- Speech engine
- Text analytics engine
- Rules engine
- Search engine
- Query engine
- Parser
- Speech recognition
- Speech-to-text/transcription
- NLP/NLU
- Deep neural networks
- AI/Machine learning
- Database

**Optional Modules**
- Real-time IA
- Real-time guidance
- Next-best-action
- Desktop analytics
- RPA
- Regulatory compliance
- Voice biometrics
- Predictive analytics
- CJA
- Packaged solutions
- Fraud detection

Source: DMG Consulting LLC, May 2021
# Table of Contents

1. Executive Summary
2. Introduction
3. DMG Consulting Research Methodology
   3.1 Report Participation Criteria
4. Interaction Analytics Defined
   4.1 Interaction Analytics Application Building Blocks
   4.2 Core Functional Components
5. Interaction Analytics Trends and Challenges
   5.1 Interaction Analytics Trends
   5.2 Interaction Analytics Challenges
6. Interaction Analytics Market Innovation
   6.1 New Product Features
   6.2 Future Enhancements
7. Contributions of Interaction Analytics: Lessons Learned in the Pandemic
   7.1 Work-at-Home Agents
   8.1 Analytics-Enabled Quality Management Defined
   8.2 Analytics-Enabled Quality Management Improves Agent Coaching and Retention
   8.3 Getting Started with Analytics-Enabled AQM
9. Voice of the Customer, Unfiltered
   9.1 Emotion Detection and Sentiment Analysis
   9.2 Customer Journey Analytics
   9.3 Customer-Centric Key Performance Indicators
10. Interaction Analytics for the Enterprise
    10.1 Strategic Interaction Analytics Opportunities
11. Interaction Analytics Market Activity Analysis
12. Interaction Analytics Market Adoption
13. Interaction Analytics Market Projections
14. Interaction Analytics Competitive Landscape
    14.1 Company Snapshot
    14.2 Vendor Product Offerings
15. Interaction Analytics Functional Summary
    15.1 High-Level Functional Analysis
    15.2 Artificial Intelligence, Machine Learning and Automation
    15.3 System Administration and Configuration
    15.4 Security
    15.5 Business Intelligence, Reporting and Dashboards
16. Interaction Analytics Implementation and Return on Investment Analysis
17. Pricing
    17.1 Pricing for a 250-Seat Premise-Based Interaction Analytics Implementation
    17.2 Pricing for a 250-Seat Cloud-Based Interaction Analytics Implementation
Table of Contents

18. Interaction Analytics Vendor Satisfaction Analysis
   18.1 Summary of Survey Findings and Analysis: Vendor Categories
      18.1.1 Vendor Satisfaction by Category and Customer
   18.2 Summary of Survey Findings and Analysis: Product Capabilities
      18.2.1 Product Capabilities Satisfaction, by Category and Customer
   18.3 Summary of Survey Findings and Analysis: Product Effectiveness
      18.3.1 Product Effectiveness Satisfaction, by Category and Customer
   18.4 Customer Background and Insights
      18.4.1 Business Units Using the Findings from Interaction Analytics
      18.4.2 Top 3 - 5 Ways Interaction Analytics Helped Address Pandemic-Related Challenges
      18.4.3 Top 3 - 5 Interaction Analytics Challenges
      18.4.4 Additional Comments

19. Company Reports
   19.1 Calabrio
   19.2 CallMiner, Inc.
   19.3 Clarabridge
   19.4 NICE
   19.5 Observe.ai
   19.6 OnviSource
   19.7 Sestek
   19.8 Verint Systems
   19.9 Xdroid
   19.10 Yactraq Online, Inc.

Appendix: Interaction Analytics Vendor Directory
<table>
<thead>
<tr>
<th>Figure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 1</td>
<td>Changing Business Dynamics</td>
</tr>
<tr>
<td>Figure 2</td>
<td>Interaction Analytics</td>
</tr>
<tr>
<td>Figure 3</td>
<td>Interaction Analytics Technology Building Blocks</td>
</tr>
<tr>
<td>Figure 4</td>
<td>Interaction Analytics Trends</td>
</tr>
<tr>
<td>Figure 5</td>
<td>Interaction Analytics Challenges</td>
</tr>
<tr>
<td>Figure 6</td>
<td>New Product Features, by Vendor</td>
</tr>
<tr>
<td>Figure 7</td>
<td>Future Enhancements, by Category</td>
</tr>
<tr>
<td>Figure 8.1</td>
<td>COVID-Related Impacts</td>
</tr>
<tr>
<td>Figure 8.2</td>
<td>COVID-Related Impacts</td>
</tr>
<tr>
<td>Figure 9.1</td>
<td>Work-at-Home (WAH) Agents</td>
</tr>
<tr>
<td>Figure 9.2</td>
<td>Work-at-Home (WAH) Agents</td>
</tr>
<tr>
<td>Figure 10</td>
<td>The AQM Process</td>
</tr>
<tr>
<td>Figure 11.1</td>
<td>Analytics-Enabled Quality Management (AQM)</td>
</tr>
<tr>
<td>Figure 11.2</td>
<td>Analytics-Enabled Quality Management (AQM)</td>
</tr>
<tr>
<td>Figure 12</td>
<td>AQM Improves Coaching Effectiveness</td>
</tr>
<tr>
<td>Figure 13</td>
<td>AQM/Coaching Cycle of Success</td>
</tr>
<tr>
<td>Figure 14.1</td>
<td>Analytics-Enabled Quality Management Coaching Capabilities</td>
</tr>
<tr>
<td>Figure 14.2</td>
<td>Analytics-Enabled Quality Management Coaching Capabilities</td>
</tr>
<tr>
<td>Figure 15</td>
<td>Launching an AQM Implementation</td>
</tr>
<tr>
<td>Figure 16.1</td>
<td>Using Interaction Analytics to Analyze the Voice of the Customer/CX</td>
</tr>
<tr>
<td>Figure 16.2</td>
<td>Using Interaction Analytics to Analyze the Voice of the Customer/CX</td>
</tr>
<tr>
<td>Figure 17.1</td>
<td>Emotion Detection and Sentiment Analysis</td>
</tr>
<tr>
<td>Figure 17.2</td>
<td>Emotion Detection and Sentiment Analysis</td>
</tr>
<tr>
<td>Figure 18.1</td>
<td>Using Interaction Analytics to Understand the Customer Journey</td>
</tr>
<tr>
<td>Figure 18.2</td>
<td>Using Interaction Analytics to Understand the Customer Journey</td>
</tr>
<tr>
<td>Figure 19.1</td>
<td>KPIs</td>
</tr>
<tr>
<td>Figure 19.2</td>
<td>KPIs</td>
</tr>
<tr>
<td>Figure 20.1</td>
<td>Enterprise IA</td>
</tr>
<tr>
<td>Figure 20.2</td>
<td>Enterprise IA</td>
</tr>
<tr>
<td>Figure 21.1</td>
<td>Strategic Enterprise Opportunities for IA</td>
</tr>
<tr>
<td>Figure 21.2</td>
<td>Strategic Enterprise Opportunities for IA</td>
</tr>
<tr>
<td>Figure 22</td>
<td>Interaction Analytics Market Activity, as of March 31, 2021</td>
</tr>
<tr>
<td>Figure 23</td>
<td>Interaction Analytics Market Share Based on Seats, as of March 2021</td>
</tr>
<tr>
<td>Figure 24</td>
<td>Interaction Analytics Customers and Seats by Vendor, 2020 vs. 2019</td>
</tr>
<tr>
<td>Figure 25</td>
<td>Interaction Analytics Customer Trends by Vendor, 2014 – 2020</td>
</tr>
<tr>
<td>Figure 26</td>
<td>Interaction Analytics Customer Trends by Vendor, 2014 – 2020</td>
</tr>
<tr>
<td>Figure 27</td>
<td>Interaction Analytics Seat Trends by Vendor, 2014 – 2020</td>
</tr>
<tr>
<td>Figure 28</td>
<td>Interaction Analytics Seat Trends by Vendor, 2014 – 2020</td>
</tr>
<tr>
<td>Figure 29</td>
<td>Interaction Analytics Contact Center Adoption Rate, 2008 – 2020</td>
</tr>
<tr>
<td>Figure 30</td>
<td>Interaction Analytics Market Growth Rate Projections Based on Seats, 2021 – 2025</td>
</tr>
<tr>
<td>Figure 31</td>
<td>IA Competitive Landscape</td>
</tr>
<tr>
<td>Figure 32.1</td>
<td>Company Information, as of February 2021</td>
</tr>
<tr>
<td>Figure 32.2</td>
<td>Company Information, as of February 2021</td>
</tr>
<tr>
<td>Figure 33</td>
<td>Product Information</td>
</tr>
<tr>
<td>Figure 34.1</td>
<td>High-Level Functional Summary</td>
</tr>
<tr>
<td>Figure 34.2</td>
<td>High-Level Functional Summary</td>
</tr>
<tr>
<td>Figure 35.1</td>
<td>Artificial Intelligence, Machine Learning and Automation</td>
</tr>
</tbody>
</table>
Table of Figures

Figure 35.2: Artificial Intelligence, Machine Learning and Automation
Figure 36.1: System Administration and Configuration
Figure 36.2: System Administration and Configuration
Figure 37.1: Security
Figure 37.2: Security
Figure 38.1: Business Intelligence, Reporting and Dashboards
Figure 38.2: Business Intelligence, Reporting and Dashboards
Figure 39.1: Implementation Analysis
Figure 39.2: Implementation Analysis
Figure 40.1: Pricing for a 250-Seat Premise-Based Interaction Analytics Implementation
Figure 40.2: Pricing for a 250-Seat Premise-Based Interaction Analytics Implementation
Figure 41.1: Pricing for a 250-Seat Cloud-Based Interaction Analytics Solution
Figure 41.2: Pricing for a 250-Seat Cloud-Based Interaction Analytics Solution
Figure 42: Customer Survey Rating Categories
Figure 43: Average Vendor Satisfaction Ratings, by Category
Figure 44: Product Satisfaction Ratings, by Customer
Figure 45: Implementation Satisfaction Ratings, by Customer
Figure 46: Training/Workshops Satisfaction Ratings, by Customer
Figure 47: Ongoing Service and Support Satisfaction Ratings, by Customer
Figure 48: Professional Services Satisfaction Ratings, by Customer
Figure 49: Product Innovation Satisfaction Ratings, by Customer
Figure 50: Responsiveness to Product Enhancement Requests Satisfaction Ratings, by Customer
Figure 51: Vendor Communication Satisfaction Ratings, by Customer
Figure 52: Pricing Satisfaction Ratings, by Customer
Figure 53: Overall Vendor Satisfaction Ratings, by Customer
Figure 54: Average Product Capabilities Satisfaction Ratings, by Category
Figure 55: Omni-Channel Capabilities Satisfaction Ratings, by Customer
Figure 56: Automated Discovery and Root Cause Analysis Satisfaction Ratings, by Customer
Figure 57: Accuracy and Tuning Capabilities Satisfaction Ratings, by Customer
Figure 58: Emotion Detection Satisfaction Ratings, by Customer
Figure 59: Sentiment Analysis Satisfaction Ratings, by Customer
Figure 60: Artificial Intelligence and Machine Learning Capabilities Satisfaction Ratings, by Customer
Figure 61: Real-Time Capabilities Satisfaction Ratings, by Customer
Figure 62: Dashboards and Analytics Satisfaction Ratings, by Customer
Figure 63: Ease of Configuration, Use and Maintenance Satisfaction Ratings, by Customer
Figure 64: Average Product Effectiveness Satisfaction Ratings, by Category
Figure 65: Ability to Identify and Mitigate Pandemic-Related Impacts for Customers Satisfaction Ratings, by Customer
Figure 66: Ability to Support Work-at-Home/Remote Agents Satisfaction Ratings, by Customer
Figure 67: Ability to Understand the Omni-Channel Customer Journey Satisfaction Ratings, by Customer
Figure 68: Ability to Actively and Passively Capture the Voice of the Customer Satisfaction Ratings, by Customer
Figure 69: Ability to Support Analytics-Enabled Quality Management (AQM) Satisfaction Ratings, by Customer
Figure 70: Business Units Using the Findings from Interaction Analytics
Figure 71: Top 3 - 5 Ways Interaction Analytics Helped Address Pandemic-Related Challenges
Figure 72: Top 3 Challenges of your Interaction Analytics Solution
Figure 73: Additional Comments about your Experience with the Vendor and/or Product