

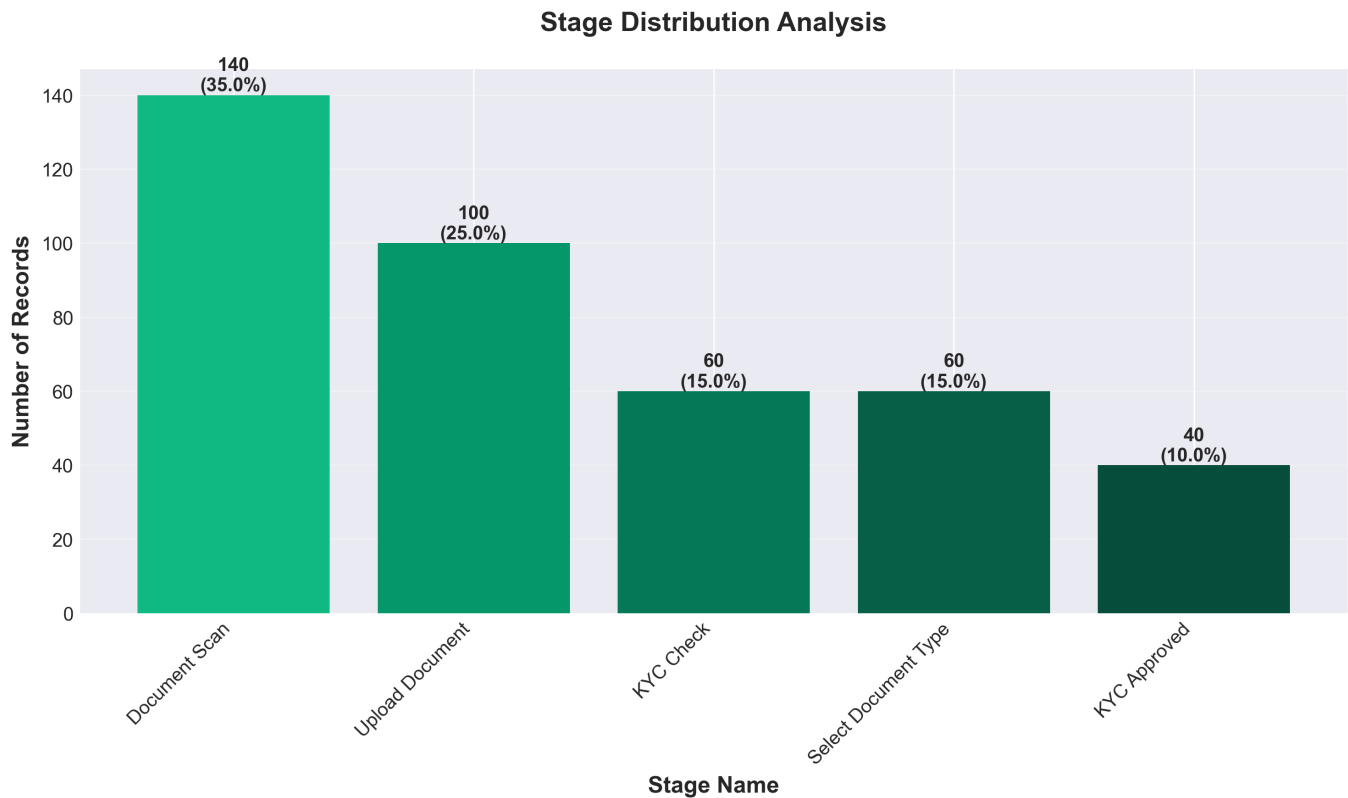
# Data Visualization Guide

## Digital KYC: Reduce Drop-Off, Lift Conversion

This document describes all the visualizations created for the case study analysis.

### Visualization Files Created

#### 1. Stage Distribution Analysis



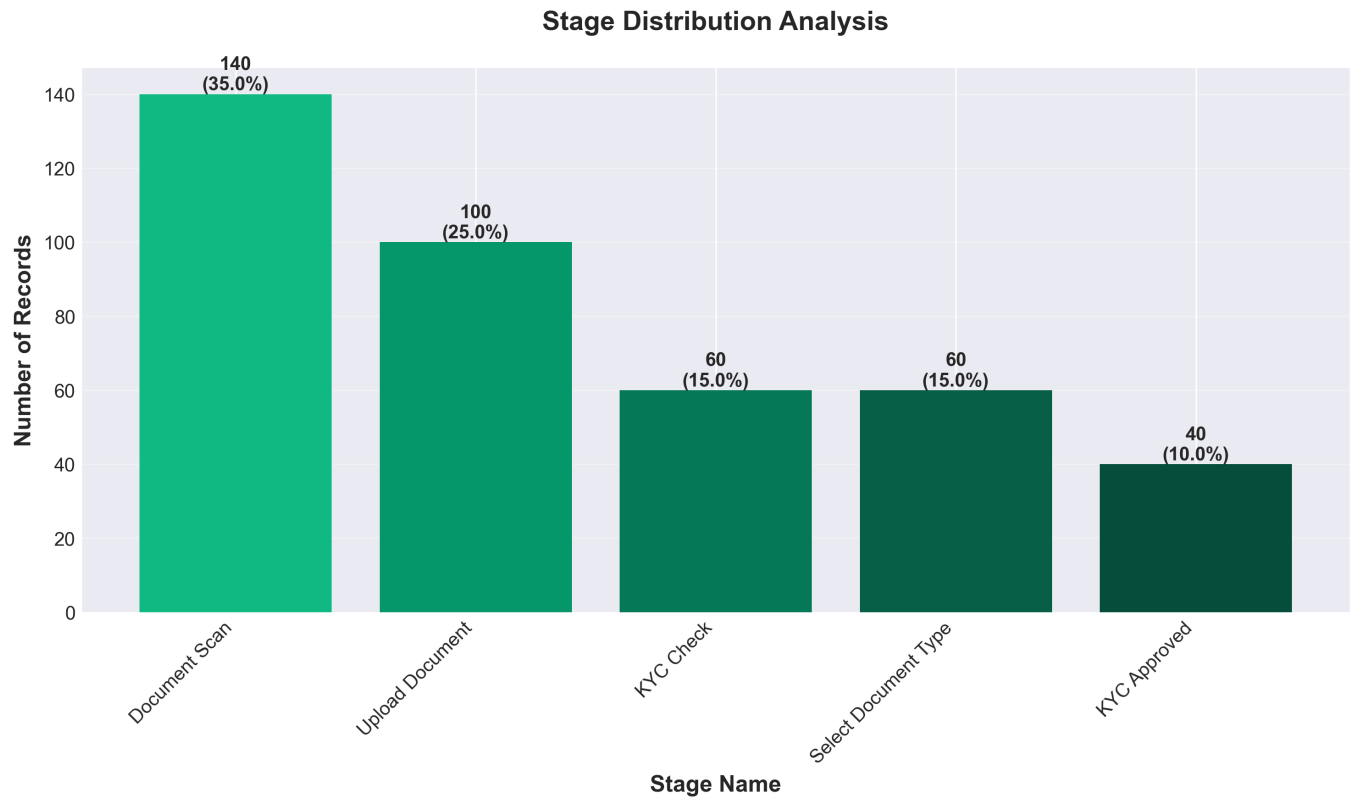
**Purpose:** Shows the volume of transactions at each stage of the KYC process.

**Key Insights:**

- Document Scan has the highest volume (140 records, 35%)
- Upload Document is second (100 records, 25%)
- Together, these two stages account for 60% of all transactions
- Indicates these are the primary bottleneck stages

**Use Case:** Include in Section 2.2 (Stage Distribution Analysis) of the case study report.

2. Failure Rate by Stage



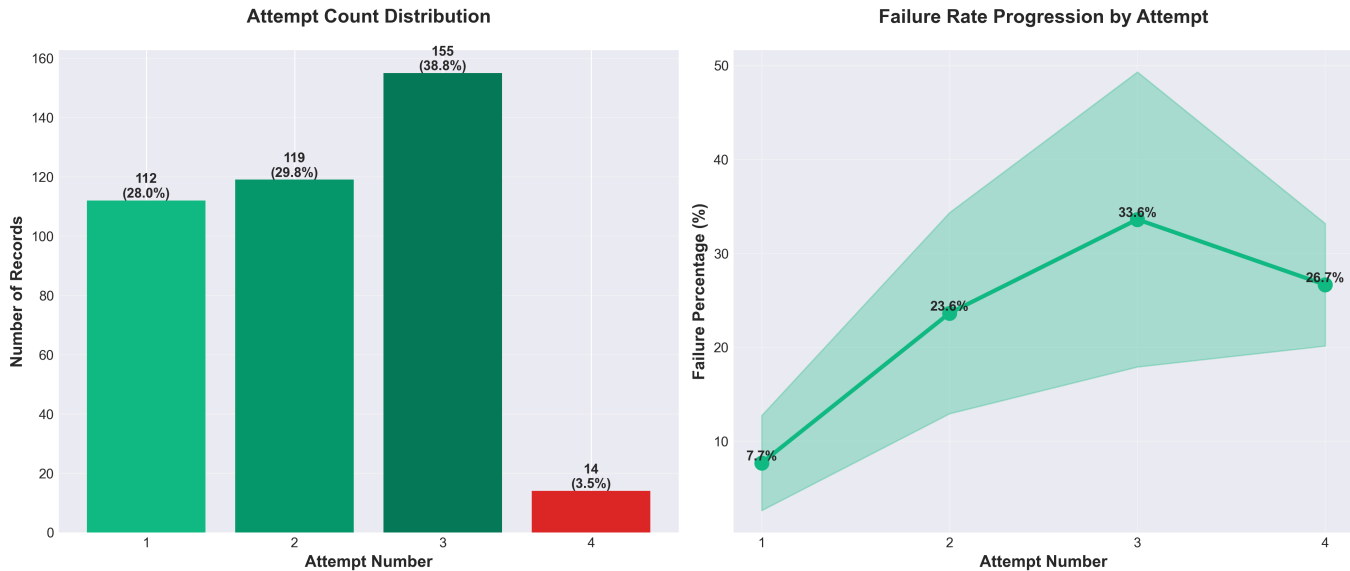
**Purpose:** Compares average and maximum failure percentages across all stages.

Key Insights:

- KYC Check has the highest average failure rate (46.8%)
- Upload Document shows the highest maximum failure rate (64.3%)
- Document Scan has moderate failure rates but highest volume
- Helps prioritize which stages need immediate attention

**Use Case:** Include in Section 2.3 (Failure Rate Analysis by Stage) of the case study report.

3. Attempt Pattern Analysis



**Purpose:** Dual chart showing attempt count distribution and failure rate progression.

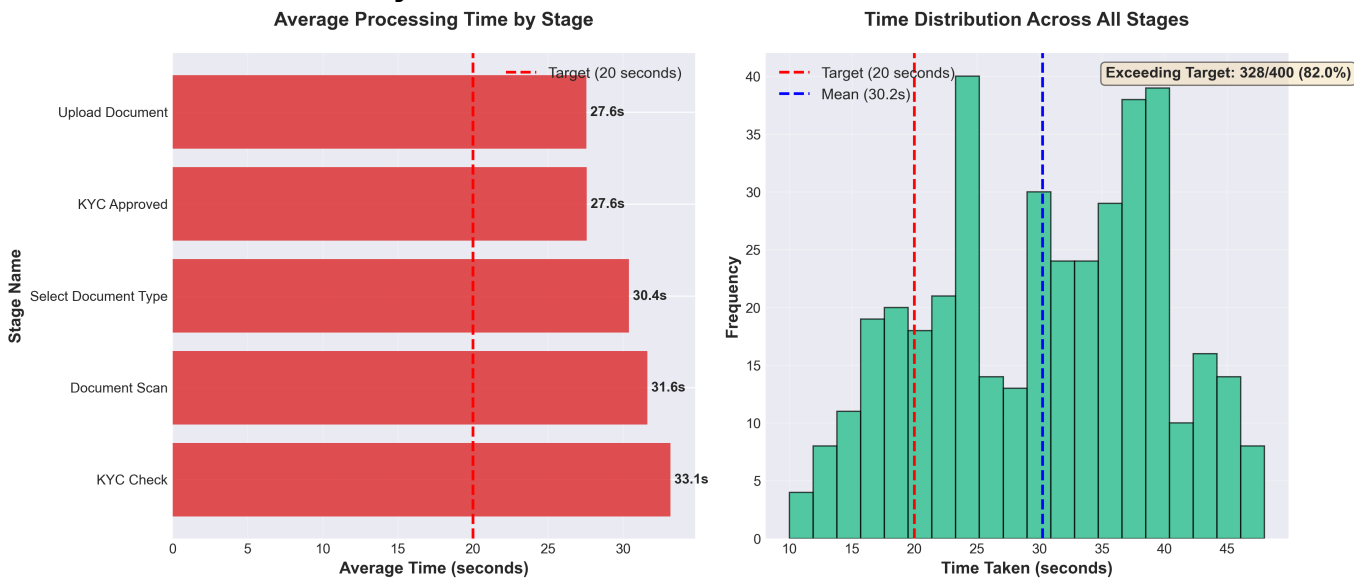
**Key Insights:**

- 38.75% of customers require 3 attempts (155 out of 400)
- Only 3.5% reach 4th attempt (automatic rejection)
- Failure rate triples from 1st to 3rd attempt (7.7% → 33.6%)
- Shows progressive difficulty as customers retry

**Use Case:** Include in Section 2.4 (Attempt Pattern Analysis) of the case study report.

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4. Time Performance Analysis



**Purpose:** Shows average processing time by stage and overall time distribution.

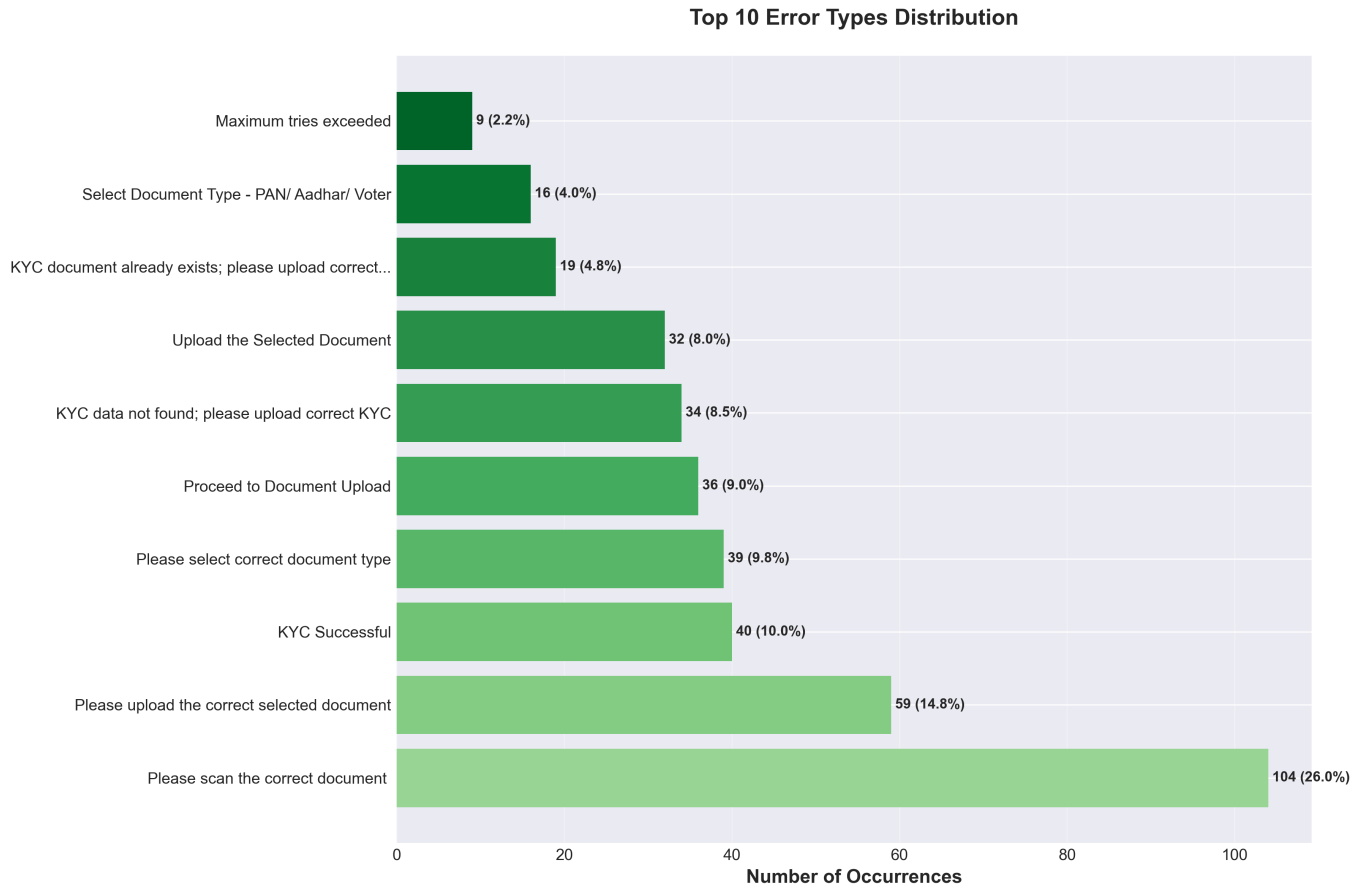
**Key Insights:**

- 82% of transactions exceed the 20-second target
- KYC Check has the longest average time (33.2 seconds)
- Most stages exceed target significantly
- Time distribution shows wide variance in processing times

**Use Case:** Include in Section 2.5 (Time Performance Analysis) of the case study report.

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5. Error Type Distribution



**Purpose:** Displays the top 10 most common error types encountered.

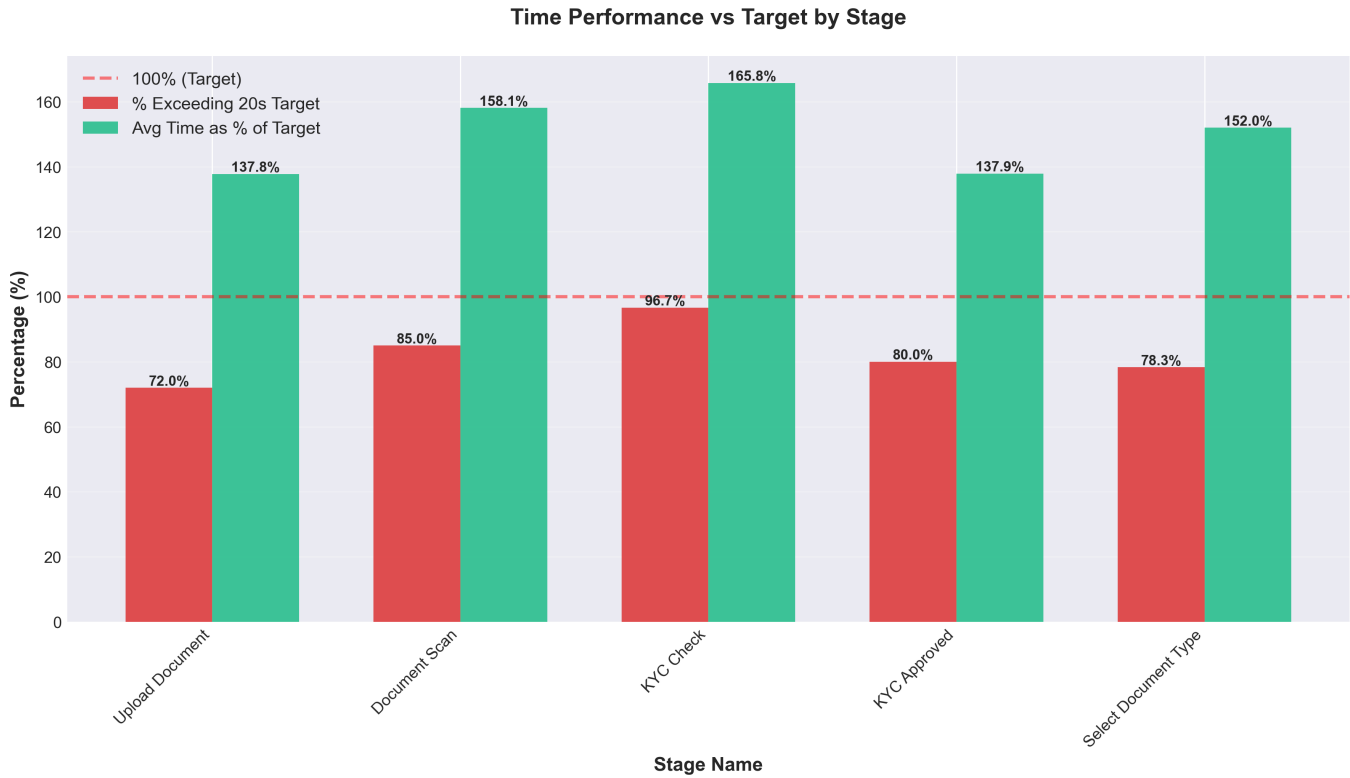
**Key Insights:**

- "Please scan the correct document" is the most common error (26%)
- Upload-related errors are second most common (14.8%)
- Duplicate KYC errors account for 4.8% of all errors
- Helps identify specific user guidance needs

**Use Case:** Include in Section 2.6 (Error Type Distribution) of the case study report.

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6. Time vs Target by Stage



**Purpose:** Compares percentage of transactions exceeding target vs. average time as percentage of target.

**Key Insights:**

- KYC Check: 96.7% exceed target, 166% of target time
- Document Scan: 85% exceed target, 158% of target time
- All stages significantly exceed the 20-second target
- Visual comparison makes performance gaps clear

**Use Case:** Include in Section 2.5 (Time Performance Analysis) or Section 3 (Root Cause Analysis).

7. Comprehensive Dashboard

Digital KYC Process - Comprehensive Analysis Dashboard



**Purpose:** Single-page overview of all key metrics and analyses.

**Components:**

- Stage distribution (pie chart)
- Failure rate by stage (horizontal bar)
- Attempt count distribution
- Time performance box plot
- Top 5 error types
- Key metrics summary panel

**Key Insights:**

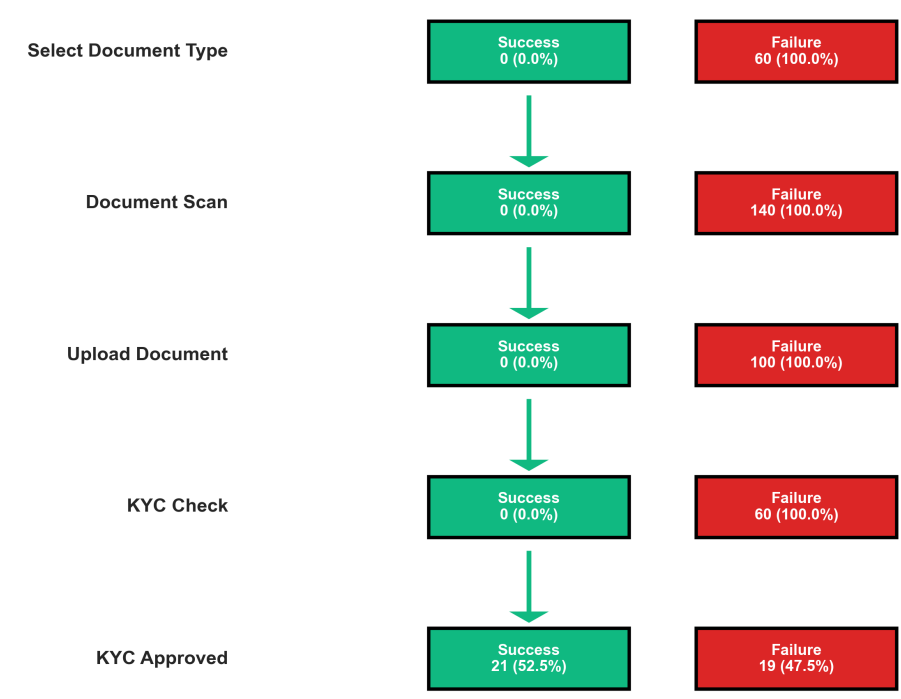
- Provides executive-level overview
- All critical metrics in one view
- Easy to understand at a glance

**Use Case:**

- Include as a summary slide in presentations
- Use in Executive Summary section
- Reference in conclusion

8. Customer Journey Flow

Customer Journey Flow - Success vs Failure at Each Stage



**Purpose:** Visual representation of success vs. failure rates at each stage of the customer journey.

**Key Insights:**

- Shows progression through stages
- Highlights where customers drop off
- Success/failure rates at each checkpoint
- Visual flow makes journey clear

**Use Case:**

- Include in Problem Statement section
- Use in presentations to explain process
- Reference when discussing customer experience