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| General Information | |
| Use Case ID Number : UC7.2  Subject Area : Analysis  Description : Analysis is performed by the system | Responsible Analyst : Troy Riblett |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 7.2 | Compare user data against themselves |
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| Revision History | | |
| Author | **Date** | **Comments** |
| Troy Riblett | 4/24/2016 | First draft |
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| **Insertion Points in other Use Cases** | | |
| Use Case Name | **Use Case Number** | **Step Inserted After** |
|  | 7.1 | 5 |
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| **Actors** | | |
| **Actor Name** | **P/S** | **Brief Description** |
| Local Database | System | The phone database storing the users information |
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| **Pre-Conditions** | |
| # | Description |
|  | The user finished requesting analysis via 7.1 |

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| **Start Stimulus** |
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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt UC Name/Number** | **Bus Rule(s)#** |
| 1 | The system requests the data to be analyzed from the local database |  |  |
| 2 | The local database returns the information for every row entry along with the date |  |  |
| 3 | The system performs statistical analysis on the data to find correlations |  |  |
| 4 | Steps 1-3 are repeated for each column to be analyzed |  |  |
| 5 | The correlation values are returned |  |  |
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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds/Alt Use Case #** |
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| Post-Conditions | |
| **#** | **Description** |
| 1 |  |
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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
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| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
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| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
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| Frequency of Execution |
| **Frequency:**  Minimum: Maximum: Average: (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Day:  Other: |

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| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
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| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
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| **Alternate Course General Information** |
| Alternate Course Name:  Alternate Course Number:  Parent Use Case Name:  Parent Use Case Number: UC 7.1  Description:  Reason for Execution: Standard procedure Non Exception:  Exception:  Exception #:  Start(Trigger) Stimulus:  Type of Execution (optional): Manual:  Automatic: |

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| Insertion Point |
| Step Inserted After |
| Inserted after step 5. |

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| Pre-Conditions | |
| 1. |  |
| 2. |  |

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| Alternate Course Steps | | | |
| **#** | **Step Description** | **Adds/Alt Use Case #** | **Business Rule(s)#** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |

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| Post-Conditions | |
| 1. | Correlation values are returned in order to be displayed |
| 2. |  |