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| **City analysis** |
| **Competitor event analysis** |
| **Event Analysis** |
| **Games analysis** |
| **Games\_city analysis** |
| **Games competitor analysis** |
| **Medal analysis** |
| **Noc\_region analysis** |
| **Person analysis** |
| **Sports analysis** |

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| **ID Distribution Analysis** | **City Name Analysis** |
| To check and Identify patterns in ID assignment and track timestamp-associated IDs | To determine unique cities in the dataset |

| **Event ID Analysis** | **Competitor ID Analysis** | **Medal ID Analysis** |
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| To track changes in event occurrences over time | To analyze unique and prominent competitors | To Identify patterns in medal assignments and track changes |

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| **ID Analysis** | **Sport ID Analysis** | **Event Name Analysis** |
| Analyzing unique events that are represented in the dataset | To check do sport IDs follow a sequential pattern, or are there gaps or irregularities | To analyze how unique events are represented in the dataset |

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| **ID Analysis** | **Games Year Analysis** | **Game Name Analysis** | **Season Analysis** |
| To check how many unique games are represented in the dataset | Analyze the distribution of games across different years | To check the distribution of games across different years and if any notable patterns or trends in the games over time? | To analyze what is the distribution of games across different seasons and are there any seasons with significantly more or fewer games. |

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| **SPORTS ANALYTICS** |

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| To investigate how the games\_id and city\_id columns relate to other tables in the dataset. |

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| To analyze the association between game IDs, person IDs, and competitors and to identify the average and range of Age |

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| Analyze diversity and distribution of medal names in the dataset |

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| Analyze unique NOCs (National Olympic Committees) in the dataset and distribution of NOC IDs and region names. |

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| To check unique individuals, distribution of genders and the distribution of heights and weights among individuals |

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| Analyze the frequency of each sport in the dataset and are there sports that are more popular or widely represented than others? |