**Sankey Diagram**

**What is it about:**

This chart is basically about the Titanic passenger survival with respect to Embarked Type and Ticket Type.

**Sheets used in Dashboard:**

* Embarked Percent
* Sankey Core
* Survived Percent
* Sankey Core (2)
* Ticket Class

**Data Densification:**

* Used Level of Detail (LOD) for data densification technique.

**Table Calculations used:**

|  |  |
| --- | --- |
| Table Calculation Names | Formula Used |
| t | (Index()-25)/4 |
| Sigmoid | 1/(1+EXP(1)^-[t]) |
| Topad | if [Passenger ID]={ FIXED [Embarked],[Survived]:MIN([Passenger ID])} then 49 else 1 END |
| ToPad2 | if [Passenger ID]={ FIXED [Ticket Class],[Survived]:MIN([Passenger ID])} then 49 else 1 END |
| Rank1 | RUNNING\_SUM(SUM([Number of Records]))/TOTAL(SUM([Number of Records])) |
| Rank2 | RUNNING\_SUM(SUM([Number of Records]))/TOTAL(SUM([Number of Records])) |
| Curve | [Rank1]+([Rank2]-[Rank1])\*[Sigmoid] |
| Sizing | WINDOW\_SUM(SUM([Number of Records])) |

**Bins used:**

|  |  |
| --- | --- |
| Bin Names | Size of Bin |
| Padded | 1 |
| Padded2 | 1 |

**Hint:**

Data densified using padding technique.

**Reference:**

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