**ShopNest PowerBI Capstone Project**

**By : Anand Lingam**

1. **Question Statement:** Identify the rating distribution in the Shop\_Nest dataset, showcasing ratings categorized as Excellent, Very Good, Good, Bad, and Very Bad, along with corresponding orders.

**Visualization:**

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| **[Count of order_id by](https://app.powerbi.com/MobileRedirect.html?action=OpenReport&reportObjectId=2eddcb77-d5c2-489e-9713-314480e2a8be&ctid=68fdea86-73f5-45a0-bd64-4b0fe4aebcaa&reportPage=ed121cb9dc32edd119be&pbi_source=copyvisualimage)** |
| **Explanation:** above 50k orders are delivered with the rating of “excellent”  very few orders are delivered with the rating “bad”   1. **Question Statement:** What are the top 10 and bottom 18 most popular product categories in the ShopNest dataset? Please list them based on the number of orders.   **Visualization:**   |  | | --- | | [top 10 product categories](https://app.powerbi.com/MobileRedirect.html?action=OpenReport&reportObjectId=2eddcb77-d5c2-489e-9713-314480e2a8be&ctid=68fdea86-73f5-45a0-bd64-4b0fe4aebcaa&reportPage=ed121cb9dc32edd119be&pbi_source=copyvisualimage) |   [bottom 18 product categories](https://app.powerbi.com/MobileRedirect.html?action=OpenReport&reportObjectId=2eddcb77-d5c2-489e-9713-314480e2a8be&ctid=68fdea86-73f5-45a0-bd64-4b0fe4aebcaa&reportPage=ed121cb9dc32edd119be&pbi_source=copyvisualimage)   |  |  | | --- | --- | | |  | | --- | |  | |   **Explanation:** here are the top 10 and bottom 18 product categories |

**3)Question Statement:** List the total number of active sellers by yearly and monthly**.**

**Visualization:**

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| [total number of active sellers by yearly and](https://app.powerbi.com/MobileRedirect.html?action=OpenReport&reportObjectId=2eddcb77-d5c2-489e-9713-314480e2a8be&ctid=68fdea86-73f5-45a0-bd64-4b0fe4aebcaa&reportPage=ed121cb9dc32edd119be&pbi_source=copyvisualimage) |
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**Explanation:** there are more active sellers in 2018 , April and January.

There are less active users in 2016.

**4)Question Statement:** Which payment methods are most commonly used by ShopNest customers.

**Visualization:**

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| **[most commonly used payment](https://app.powerbi.com/MobileRedirect.html?action=OpenReport&reportObjectId=2eddcb77-d5c2-489e-9713-314480e2a8be&ctid=68fdea86-73f5-45a0-bd64-4b0fe4aebcaa&reportPage=ed121cb9dc32edd119be&pbi_source=copyvisualimage)** |

**Explanation:** 75% customers are using credit cards as the payment methods .

Very less customers are using debit card as the payment methods.

**6)Question Statement:** Determine the monthly payments made by customers using credit cards.

**Visualization:**

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| [The monthly payments made by](https://app.powerbi.com/MobileRedirect.html?action=OpenReport&reportObjectId=2eddcb77-d5c2-489e-9713-314480e2a8be&ctid=68fdea86-73f5-45a0-bd64-4b0fe4aebcaa&reportPage=ed121cb9dc32edd119be&pbi_source=copyvisualimage) |

**Explanation:** In September 2016 payments by credit cards are the lowest.

In April , march, may 2018 payments by credit cards are the highest.

In November 2017 payments made by credit card are also the highest.

**7) Question Statement:** Identify sellers categorized by city, excluding cities starting with the letters S and B.

**Visualization:**

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| [seller_ids categorized by excluding city](https://app.powerbi.com/MobileRedirect.html?action=OpenReport&reportObjectId=2eddcb77-d5c2-489e-9713-314480e2a8be&ctid=68fdea86-73f5-45a0-bd64-4b0fe4aebcaa&reportPage=ed121cb9dc32edd119be&pbi_source=copyvisualimage) |
|  |

**Explanation:** here is the list of all the seller\_ids which belongs to seller\_cities excluding city starts with B and S.

**8) Question Statement:** Create a dynamic visual that compares the number of delayed orders to the number of orders received earlier for each month. Utilize the drill through the cross-report feature to provide a detailed analysis of late and on-time deliveries.

**Visualization:**

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| [montly on-time and late deliveries](https://app.powerbi.com/MobileRedirect.html?action=OpenReport&reportObjectId=2eddcb77-d5c2-489e-9713-314480e2a8be&ctid=68fdea86-73f5-45a0-bd64-4b0fe4aebcaa&reportPage=ed121cb9dc32edd119be&pbi_source=copyvisualimage) |

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**Explanation:** on-time orders - high in august, low in September.

Delayed orders – high in march, low in September.