**Table 1.**

The number of questionnaires administered and the response rate

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S/N | Art Galleries in Lagos Island | No. of questionnaires administered | No. of questionnaires retrieved | No. of reminders | Response rate (%) |
| 1 | Nike Art Gallery | 52 | 52 | 100 | 100 |
| 2 | Hour Glass Art Gallery | 52 | 30 | 22 | 58 |
| 3 | Nimbus Art Gallery | 46 | 23 | 23 | 50 |
| Total | | 150 | 105 | 45 | 70% |

**Table 2**

Socio-economic characteristics of respondents

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S/N | Socio-Economical Background |  | Frequency | Per cent |
| 1 | Gender | Male | 63 | 58.3% |
| Female | 42 | 41.7% |
| 2 | Age | Below 20 | 2 | 3.7% |
| 21-30 | 91 | 84.3% |
| 31-40 | 12 | 13% |
| 41-50 | - | - |
| 51 and above | - | - |
| 3 | Highest Level of Education | Primary Education | 1 | 0.9% |
| Secondary Education | 3 | 2.8% |
| Tertiary Education | 65 | 62% |
| Postgraduate Education | 36 | 34.3% |
| 4 | Category | Art Spectator | 13 | 12% |
| Artist | 13 | 12% |
| Curator | 2 | 1.8% |
| Gallery Worker | 1 | 0.9% |
| Art Student | 4 | 3.7% |
| Architecture Student | 47 | 43.5% |
| Art Enthusiast | 17 | 15.7% |
| Others | 8 | 10.4% |
| 5 | Employment Status | Student | 39 | 36.1% |
| Employed | 41 | 38% |
|  |  | Self Employed/Freelancer | 24 | 22.2% |
| Unemployed | 4 | 3.7% |
| Others | - | - |
| 6. | Household Income | Below N20,000 | 12 | 11.1% |
| N20,000 – N60,000 | 48 | 44.4% |
| N61,000 – N100,000 | 12 | 13.9% |
| N101,000 – 149,000 | 13 | 13% |
| Above N150,000 | 19 | 17.6% |
| 7 | Residency | Lagos (Mainland) | 60 | 55.6% |
| Lagos (Island) | 16 | 14.8% |
| Abuja | 13 | 12% |
| Port Harcourt | 5 | 4.6% |
| Others | 11 | 10.4% |
| 8 | Ever been to an art exhibition | Yes | 90 | 85.7% |
| No | 15 | 14.3% |
| 9 | Familiar art media in galleries visited | Photography | 92 | 85.2% |
| Digital Art | 59 | 54.6% |
| Sculpture | 62 | 57.4% |
| Drawings/Paintings | 87 | 80.6% |
| Video | 28 | 25.9% |
| AR/VR | 19 | 17.6% |
| Mixed Media | 20 | 18.5% |

**Table 3**

Appropriateness of the use of Daylight vs Artificial light in art gallery exhibition spaces

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SN |  | Absolutely  Inappropriate | Inappropriate | Neutral | Appropriate | Absolutely  Appropriate |
| 1 | Daylight use in art gallery | 5 | 8 | 4 | 70 | 17 |
| 2 | Artificial Light use in art gallery | 4 | 6 | 5 | 65 | 25 |
| 3 | Daylight and Artificial Light in an art gallery - more daylight | 4 | 9 | 4 | 65 | 23 |
| 4 | Daylight and Artificial Light in an art gallery - less daylight | 6 | 7 | 9 | 58 | 24 |

**Table 4**

Mean and standard deviation of visual discomfort

|  |  |  |  |
| --- | --- | --- | --- |
| Visual Discomfort | N | Mean | Std. Deviation |
| None | 105 | 1.44 | .499 |
| Headache/Migraine | 105 | 1.90 | .308 |
| Itchy/Watering Eyes | 105 | 1.90 | .308 |
| Glare | 105 | 1.71 | .454 |
| Shadow | 105 | 1.85 | .361 |

**Table 5**

Cross tabulation between the age of respondents and visual discomfort experienced

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SN |  | Age | Yes | No | Total | |
| 1.      2.    3.  4.  5. | None | Below 20 | 0 | 4 | 4 | |
| 21 - 30 | 48 | 40 | 88 | |
| 31 - 40 | 9 | 4 | 13 | |
| Total | 59 | 46 | 105 | |
| Headache/Migraine | Below 20 | 2 | 2 | 4 | |
| 21 - 30 | 9 | 79 | 88 | |
| 31 - 40 | 0 | 13 | 13 | |
| Total | 11 | 94 | 105 | |
| Itchy/Watering Eyes | Below 20 | 0 | 4 | 4 | |
| 21 - 30 | 10 | 78 | 88 | |
| 31 - 40 | 1 | 12 | 13 | |
| Total | 11 | 94 | 105 |
| Glare | Below 20 | 0 | 4 | 4 | |
| 21 - 30 | 26 | 62 | 88 | |
| 31 - 40 | 4 | 9 | 13 | |
| Total | 30 | 75 | 105 | |
| Shadow | Below 20 | 0 | 4 | 4 | | |
| 21 - 30 | 16 | 72 | 88 | | |
| 31 - 40 | 0 | 13 | 13 | | |
| Total | 16 | 89 | 105 | |

**Table 6**

Respondents’ preferences with various lighting approaches

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Daylight (%) | Top Lighting (%) | Side/Directional (%) | Light Shelves (%) | Others (%) |
| Yes | 58.1 | 65.7 | 39.0 | 37.1 | 1.9 |
| No | 41.9 | 34.3 | 61.0 | 62.9 | 98.1 |
| Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

**Table 7**

Respondents’ preferences with various lighting distribution techniques

|  |  |  |  |
| --- | --- | --- | --- |
|  | Direct Light | Indirect Light | Direct/Indirect Light |
| Yes | 57.1 | 38.1 | 41.0 |
| No | 42.9 | 61.9 | 59.0 |
| Total | 100.0 | 100.0 | 100.0 |