**S2 Supporting information. Complex Network Science National Research Trainee (CNS NRT) Annual survey response (2017-2024) descriptive statistics tables.**

**Table A. CNS NRT doctoral fellows' average "level of agreement" that they are satisfied with the program and their progress towards their doctoral degree (2019-2023).**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Year** | **Responses** | **Median** | **Mean** | **SD** |
| Milestone Progress | 2019 | 9 | 5 | 4.8 | 1.093 |
| 2020 | 15 | 5 | 4.5 | 1.356 |
| 2021 | 15 | 4 | 4.6 | 0.737 |
| 2022 | 13 | 5 | 4.7 | 1.032 |
| 2023 | 7 | 5 | 4.3 | 1.254 |
| CNS PhD Program | 2019 | 10 | 4.5 | 4.1 | 1.37 |
| 2020 | 18 | 5 | 4.7 | 1.018 |
| 2021 | 15 | 4 | 4.3 | 1.345 |
| 2022 | 13 | 5 | 4.9 | 1.038 |
| 2023 | 6 | 5 | 5 | 0.894 |
| 2nd PhD Program | 2019 | 10 | 5 | 4.4 | 1.43 |
| 2020 | 17 | 6 | 5.5 | 0.874 |
| 2021 | 15 | 5 | 5.4 | 0.632 |
| 2022 | 13 | 5 | 5.2 | 0.725 |
| 2023 | 7 | 5 | 5.1 | 0.69 |
| Community | 2019 | 10 | 5.5 | 5 | 1.414 |
| 2020 | 18 | 6 | 5.6 | 0.705 |
| 2021 | 15 | 5 | 4.9 | 1.163 |
| 2022 | 13 | 5 | 4.2 | 1.363 |
| 2023 | 6 | 4.5 | 4.5 | 0.548 |
| Mentoring | 2019 | 10 | 4 | 4 | 1.155 |
| 2020 | 18 | 5 | 5.1 | 0.9 |
| 2021 | 15 | 5 | 4.5 | 1.187 |
| 2022 | 13 | 5 | 4.7 | 0.63 |
| 2023 | 6 | 5.5 | 5.3 | 0.816 |

**Table B.** **CNS NRT Doctoral Fellows' average "level of agreement" that the CNS NRT program has positively impacted their research skills (2019-2023).**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Year** | **Responses** | **Median** | **Mean** | **SD** |
| Writing | 2019 | 9 | 4 | 3.4 | 0.882 |
| 2020 | 15 | 4 | 4.2 | 1.146 |
| 2021 | 15 | 4 | 3.8 | 1.207 |
| 2022 | 13 | 4 | 3.6 | 1.325 |
| 2023 | 6 | 4.5 | 4.3 | 1.366 |
| Presentations | 2019 | 10 | 4 | 4.1 | 0.876 |
| 2020 | 14 | 5 | 4.6 | 1.342 |
| 2021 | 15 | 4 | 4.3 | 1.113 |
| 2022 | 13 | 5 | 4.3 | 1.316 |
| 2023 | 6 | 5 | 4.8 | 0.753 |
| Technical Skills | 2019 | 10 | 4.5 | 4 | 1.563 |
| 2020 | 16 | 4.5 | 4.7 | 1.401 |
| 2021 | 14 | 5 | 4.5 | 1.454 |
| 2022 | 12 | 5 | 4.9 | 0.793 |
| 2023 | 6 | 4.5 | 4.7 | 0.816 |
| Grant Writing | 2019 | 9 | 4 | 3.3 | 1.414 |
| 2020 | 11 | 4 | 3.5 | 1.695 |
| 2021 | 11 | 4 | 3.2 | 1.168 |
| 2022 | 11 | 4 | 3.5 | 1.036 |
| 2023 | 5 | 3 | 3.2 | 1.483 |
| Networking | 2019 | 9 | 4 | 3.9 | 0.928 |
| 2020 | 17 | 5 | 4.9 | 1.088 |
| 2021 | 15 | 4 | 4.5 | 1.125 |
| 2022 | 13 | 5 | 4.5 | 1.33 |
| 2023 | 6 | 4.5 | 4.7 | 0.816 |

**Table C. Faculty members' average "level of agreement" that mentorship has positively impacted doctoral fellows' research skills (2020-2023).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Responses** | **Median** | **Mean** | **SD** |
| Grants | 14 | 5 | 4.9 | 1.406 |
| Presentations | 22 | 5 | 5.4 | 0.581 |
| Publications | 20 | 5 | 5.2 | 0.786 |
| Research | 23 | 6 | 5.7 | 0.559 |

**Table D.** **Doctoral Fellows' average level of agreement that mentorship has positively impacted their research skills (2019-2023).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Responses** | **Median** | **Mean** | **SD** |
| Research | 53 | 6 | 5.3 | 0.95 |
| Publications | 45 | 5 | 5.1 | 0.89 |
| Presentations | 51 | 5 | 4.9 | 1.12 |
| Interdisciplinary | 55 | 6 | 5.3 | 1.03 |
| Grants | 38 | 5 | 4.8 | 1.17 |
| Collaboration | 53 | 5 | 5.2 | 0.98 |

**Table E. Doctoral Fellows' average level of agreement on mentorship qualities (2020-2023).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Responses** | **Median** | **Mean** | **SD** |
| Accessibility | 53 | 6 | 5.3 | 0.83 |
| Acknowledgment | 45 | 6 | 5.6 | 0.75 |
| Approach | 54 | 6 | 5.5 | 0.69 |
| Challenge | 52 | 6 | 5.4 | 0.93 |
| Constructive | 54 | 6 | 5.5 | 0.86 |
| Expertise | 55 | 5 | 5.2 | 0.84 |
| Guidance | 51 | 6 | 5.4 | 0.94 |
| Integrity | 55 | 6 | 5.6 | 0.66 |
| Resources | 53 | 6 | 5.5 | 0.82 |
| Responsive | 54 | 6 | 5.4 | 0.86 |
| Supportive | 54 | 6 | 5.6 | 0.69 |