FACTORS AFFECTING FACULTY ATTITUDES TOWARDS OPEN ACCESS INSTITUTIONAL REPOSITORIES (OA IR): UNT CASE STUDY

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Percentage of respondents from each college
Participants by age, sex, college, rank and status
Overall awareness of OA declarations, UNT OA policy

Familiar with OA declarations

- Yes: 63 (62.50%)
- No: 105 (37.50%)

Awareness of UNT OA policy

- Yes: 80 (51.81%)
- No: 86 (48.19%)
Familiarity with OA declarations by age, sex, college, rank and status
Awareness with UNT OA policy by age, sex, college, rank and status

- Male: 48.9%, 47.4%
- Female: 50.9%, 51.1%

- College of Arts and Sciences: 62.5%, 37.5%
- College of Business: 52.5%, 47.5%
- College of Education: 46.7%, 53.3%
- College of Engineering: 47.7%, 52.3%
- College of Information: 56.3%, 43.8%
- College of Liberal Arts and Sciences: 66.7%, 33.3%
- College of Visual Arts and Design: 50.9%, 49.1%
- Libraries: 55%, 45%
- Assistant Professor: 55%, 45%
- Associate Professor: 56.3%, 43.7%
- Professor (i.e. full, clinical, research): 50%, 50%
- Tenured faculty: 51.8%, 48.2%
- Non-tenure track: 51.8%, 48.2%

- Age groups:
  - Under 20: 100%
  - 21-30: 38.5%, 61.5%
  - 31-40: 41.9%, 58.1%
  - 41-50: 52.3%, 47.7%
  - 51-60: 52.5%, 47.5%
  - 61-70: 62.5%, 37.5%
  - Over 70: 58.1%, 41.9%

- Sex:
  - Male: Yes 48.9%, No 47.4%
  - Female: Yes 50.9%, No 51.1%

- College:
  - College of Arts and Sciences: 62.5%, 37.5%
  - College of Business: 52.5%, 47.5%
  - College of Education: 46.7%, 53.3%
  - College of Engineering: 47.7%, 52.3%
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  - College of Visual Arts and Design: 50.9%, 49.1%
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  - Professor (i.e. full, clinical, research): 50%, 50%
  - Tenured faculty: 51.8%, 48.2%
  - Non-tenure track: 51.8%, 48.2%
Contribution to any type of OA repository

- Never: 66.27%
- Sometimes: 26.04%
- About half the time: 1.18%
- Most of the time: 5.33%
- Always: 1.18%
Theoretical framework for the study

Model of faculty self-archiving behavior

Cost
- Additional time & effort
- Copyright concerns

Extrinsic factors
- Academic reward
- Professional recognition
- Accessibility
- Publicity
- Trustworthiness

Intrinsic factors
- Altruism

Contextual factors
- Academic reward
- Peer-pressure
- Communication with peers

Individual traits
- Rank
- Number of publications
- Age
- Technical skills

Theory of Planned Behavior

Predictor variables

Attitude towards participation
- Perceived copyright concerns
- Perceived plagiarism issues
- Perceived technical barriers
- Perceived as low quality
- Perceived concerns about time

Influence of subjective norms on faculty participation
- Altruism
- Academic reward
- Academic culture & collaboration
- Discoverability and ease of access

Perceived control for participation
- Self-efficacy
- Controllability

Behavioral Intentions

Outcome Variable

Intent to deposit or NOT to deposit

Measured by Self-reported

Intrinsic factors
- Altruism

Contextual factors
- Academic reward
- Peer-pressure
- Communication with peers

Individual traits
- Rank
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Behavioral Intentions

Outcome Variable

Intent to deposit or NOT to deposit

Measured by Self-reported
PCA analysis results for factors affecting faculty attitudes towards OA IR

<table>
<thead>
<tr>
<th>Name of variables</th>
<th>Factor order</th>
<th>% of variance accounted for</th>
<th>Cronbach's Alpha</th>
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<tbody>
<tr>
<td>Altruism (ALT)</td>
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<td>24.8</td>
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<tr>
<td>Perceived Plagiarism Issues (PPI)</td>
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<td>Perceived Difficulty with Submission (PDS)</td>
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<td>Influence by Academic Culture (ACUL)</td>
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<td>Influence by Academic Reward (AREW)</td>
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<td>Perceived Low Quality Venues (PLQV)</td>
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<td>Perceived Additional Time Needed (PATN)</td>
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<tr>
<td>Perceived Copyright Concerns (PCC)</td>
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<td>3.7</td>
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<tr>
<td>Self-efficacy (SE)</td>
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<tr>
<td>Discoverability Access and Readership (DAR)</td>
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<tr>
<td>Controllability (CO)</td>
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<td>2.3</td>
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Intent to deposit by age, sex, college, rank and status

- Under 30: 100
- 31 to 50: 45.8
- 51 to 70: 54.2
- 61 to 70: 58.1
- Over 70: 45.8
- Male: 58.1
- Female: 44.4
- College of Arts and Sciences: 66.7
- College of Business: 61.8
- College of Education: 55.6
- College of Engineering: 47.8
- College of Information: 52.9
- College of Hospitality and Tourism: 38.2
- College of Music: 28.9
- College of Public Affairs and Community Service: 28.9
- College of Visual Arts and Design: 61.8
- Professor (i.e., full, clinical, research): 15.4
- Associate Professor: 41.9
- Assistant Professor: 21.4
- Tenured faculty: 50
- Tenure track (but not yet tenured): 0
- Non-tenure track: 0
- Yes: 78.6
- No: 21.4
Overall intention to participate in OA IR

<table>
<thead>
<tr>
<th>Count</th>
<th>No</th>
<th>Yes</th>
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<tbody>
<tr>
<td>66</td>
<td>74</td>
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</tbody>
</table>

- **No**: 66% (47.1% of total)
- **Yes**: 52.9% (74% of total)
THANK YOU!

Questions & Comments