ADULT LEARNING SYMPOSIUM LIVE

DIGITALISING LEARNING:

THE NEW NORMAL

13 - 14 AUG 2020

skills future month | IAL INSTITUTE FOR ADULT LEARNING SINGAPORE | AN INSTITUTE OF SUSS SINGAPORE UNIVERSITY OF SOCIAL SCIENCES

In partnership with SKILLSFuture SG

In support of SG JOBS & SKILLS

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DIGITALISING LEARNING:

MAKING IT WORK

14 AUG 2020

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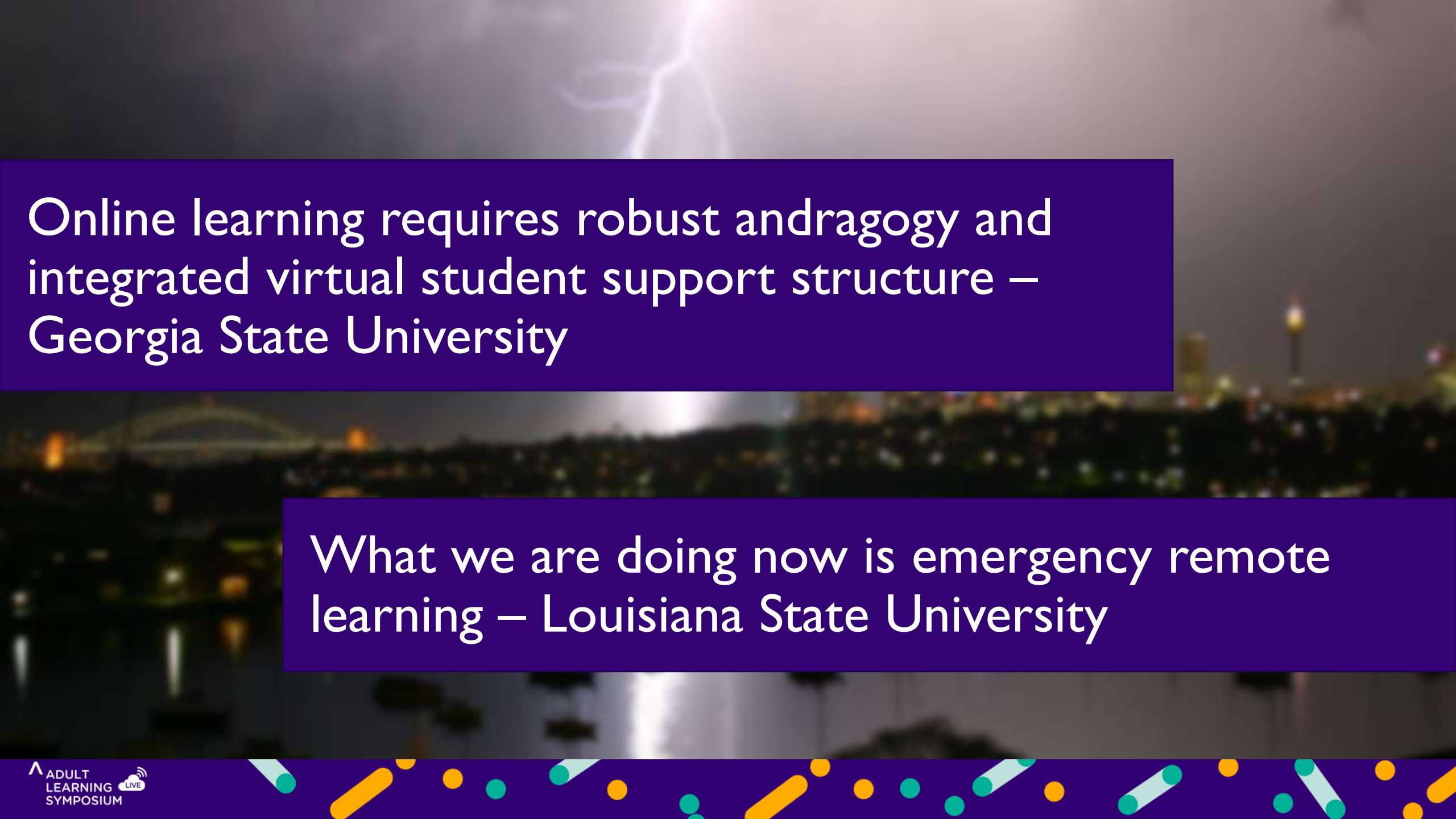
PIVOTING FROM OFFLINE TO ONLINE – DURING AND POST PANDEMIC

Agenda

- Challenges
- Case Studies
- Research
- Opportunities



Online learning requires robust andragogy and integrated virtual student support structure – Georgia State University

What we are doing now is emergency remote learning – Louisiana State University

Challenges

- Digital Readiness
- Engagement

Adult Learners

- Instructional Design
- Digital Skills
- Engagement

Facilitators

- Technology
- Assessment
- Financials
- Engagement

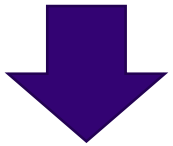
Providers

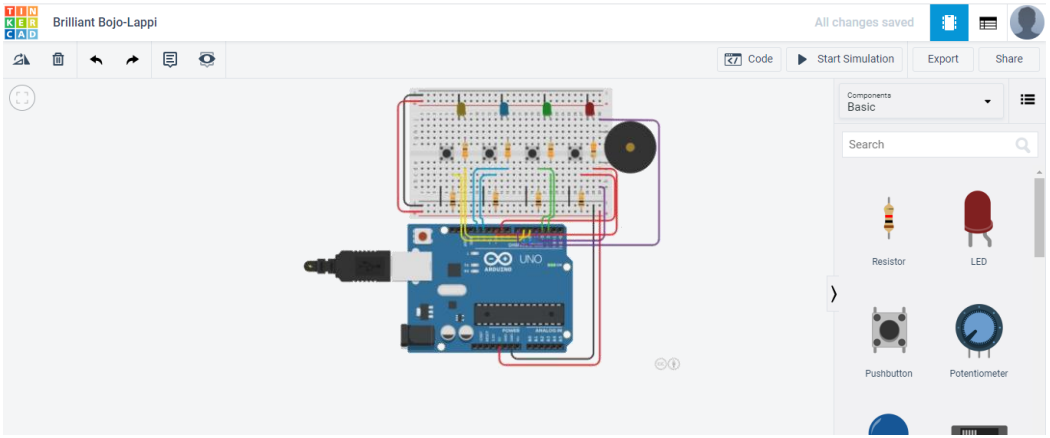
Case Study 1

Virtual Campus for Corporate

Tan Kok Soon
Kwan Wei Kuang
QH Poh

Physical kitset using MSP432P401R chipset





Online Simulator using Arduino Uno

Case Study 2

Physical Microcontroller Kitset to Online Simulator

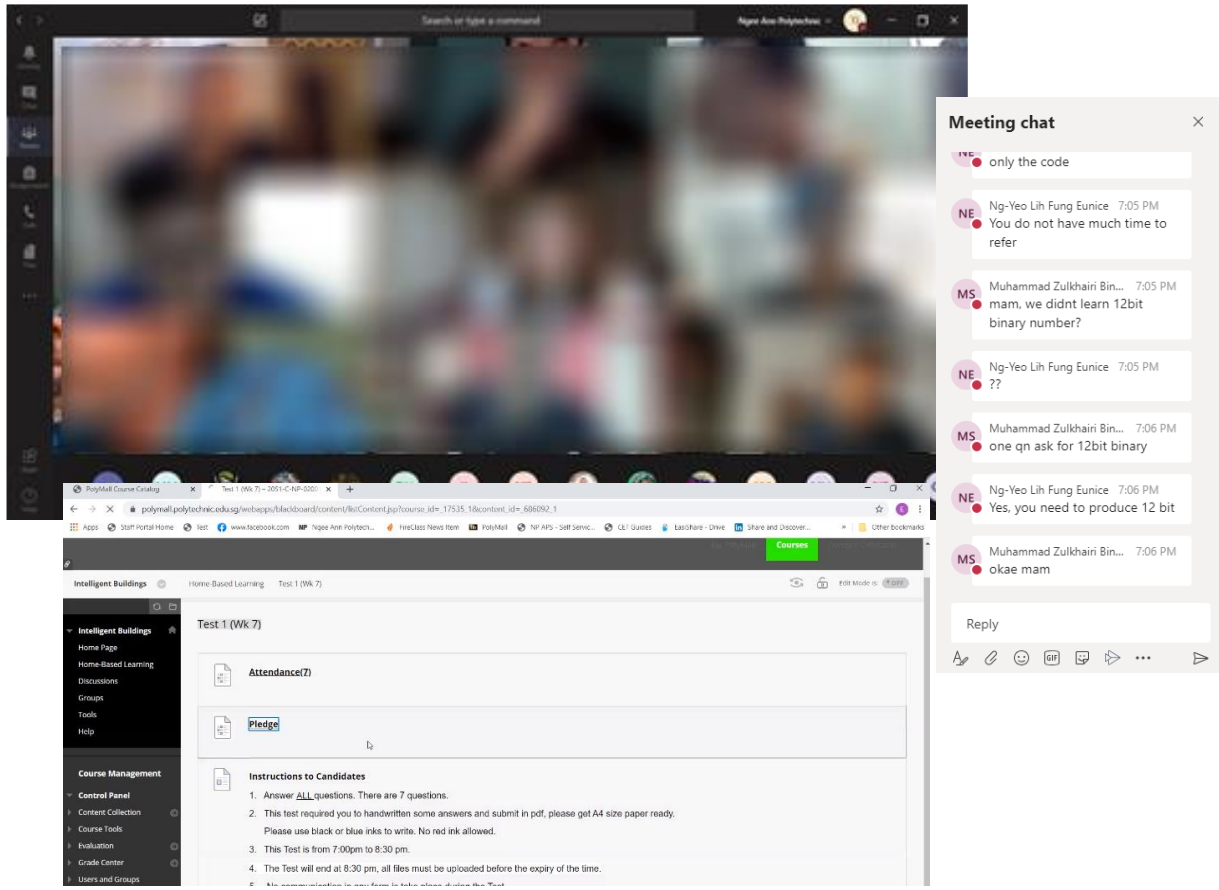
Case Study 3

eAssessment and eProctoring

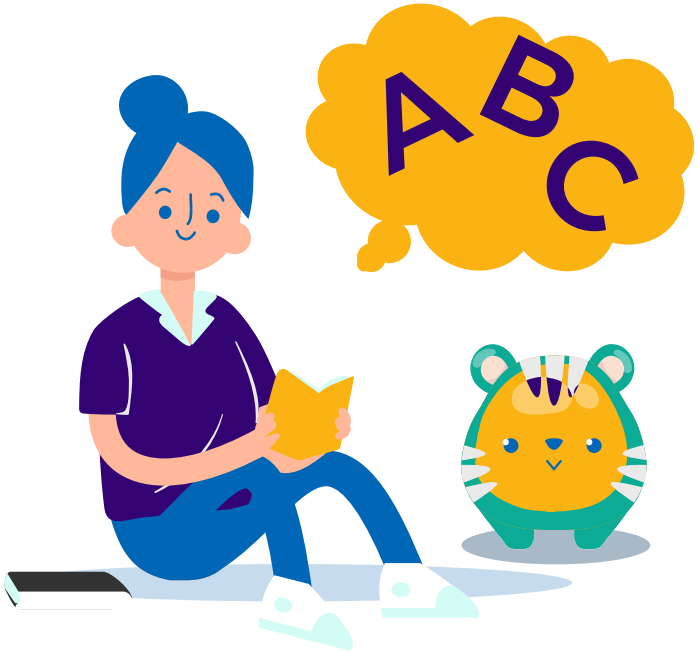
E-ASSESSMENT AND E-PROCTORING

- Modules
  - Fire Operations and Investigations
  - Intelligent Buildings
- Open Book on PolyMall
  - Timer and test commencement password features
- Basic E-Proctoring
  - Livestream and online chat via Microsoft Teams

POLYMALL Microsoft Teams



WHAT DOES OUR CLIENT SAY?



Remote training allows learning and upgrading of skills for our coaches even during **Circuit Breaker**. Our coaches can attend classes in the **comfort of their home and saves time on travelling** too.

Would you send more staff for remote training?

Yes, certainly. Remote learning seems to be the most ideal way to continue training for our coaches especially during this COVID-19 period.

It is a **good and effective** way of learning especially for the **younger generation** who are tech savvy. Some coaches who do face problems either with **connection** or assignment are able to approach the trainer or **IT support** from NP.

Knowledge Park Student Care Centre

WHAT DOES OUR CLIENT SAY?

From thrice a week to fully remote, asynchronous and synchronous.

Support and encouragement from **teaching team and classmates**.

Queries were promptly addressed via **regular e-meetings.**

Chew Lai Teng
Global Foundries
Electrical Engineering

Looks forward to **more remote learning.**

Accessible and convenient, **saves significant time and money** on travel.

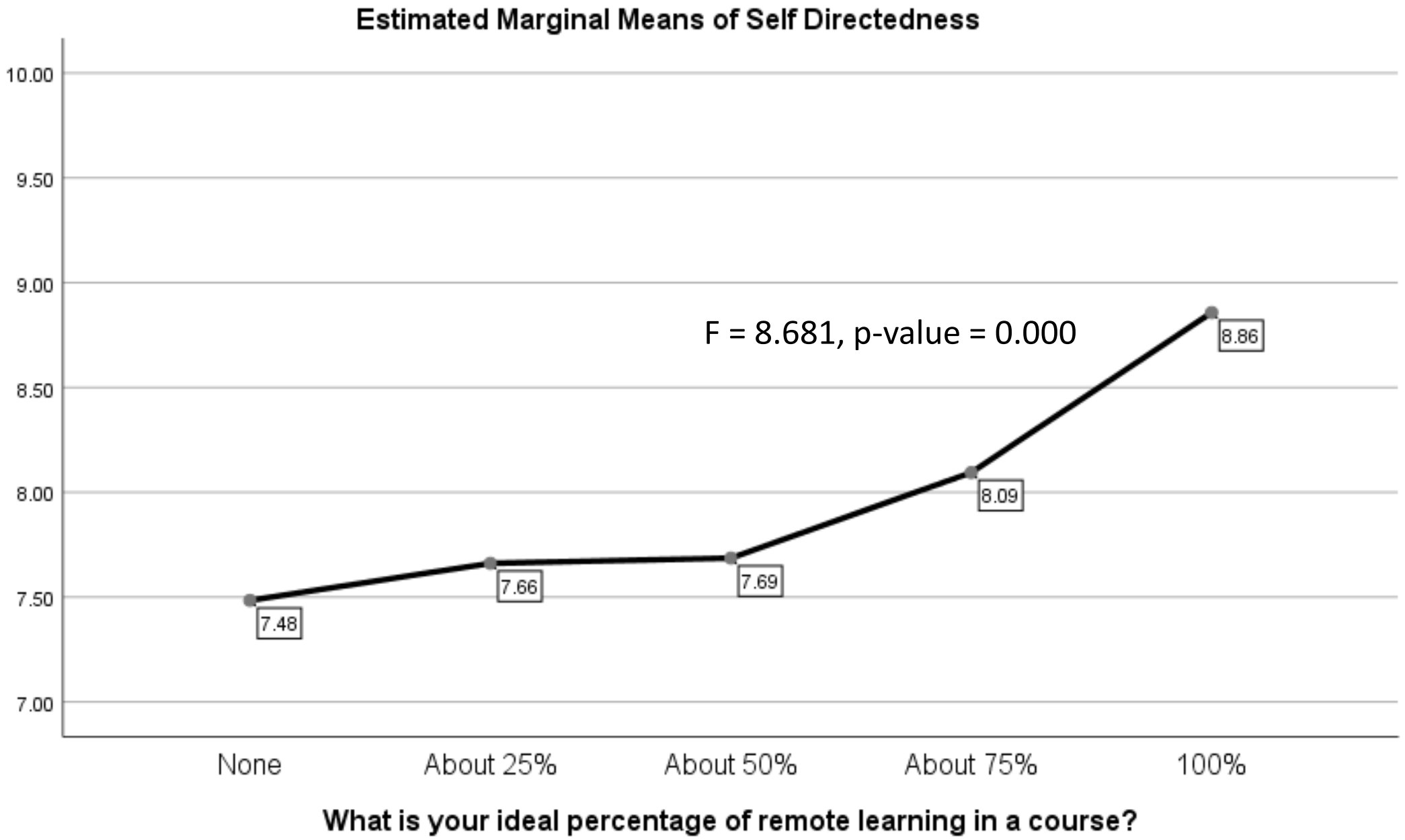
Research

Digital Learning Readiness of Adult Learners : Influence of Age, Education, Employment and Gender.

DIGITAL LEARNING READINESS OF ADULT LEARNERS : INFLUENCE OF AGE, EDUCATION, EMPLOYMENT AND GENDER

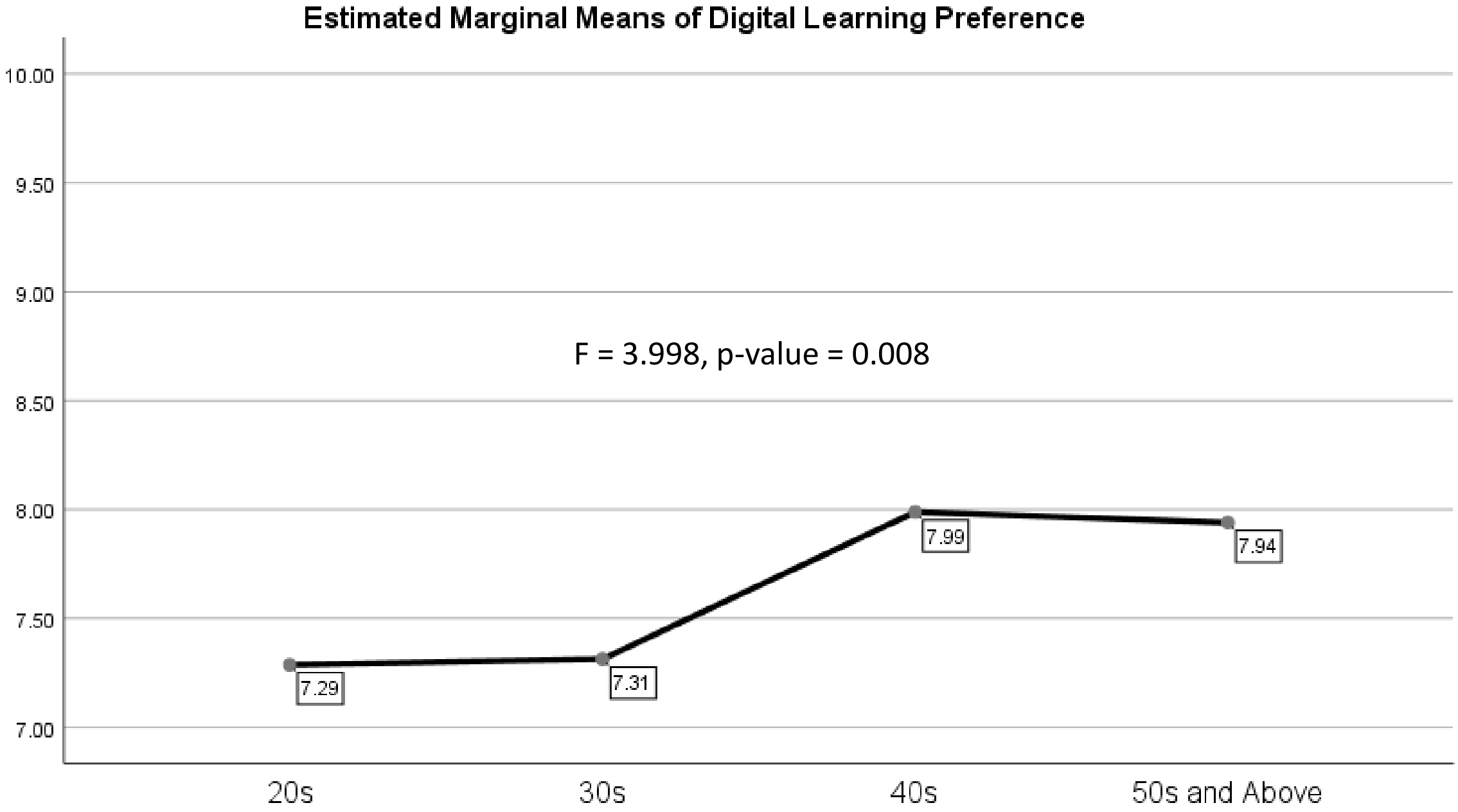
- 313 adult learners
- Circuit Breaker into Phase 2
- Self-Directedness, Learning Preferences, Digital Skills and Digital Accessibility

SELF-DIRECTEDNESS

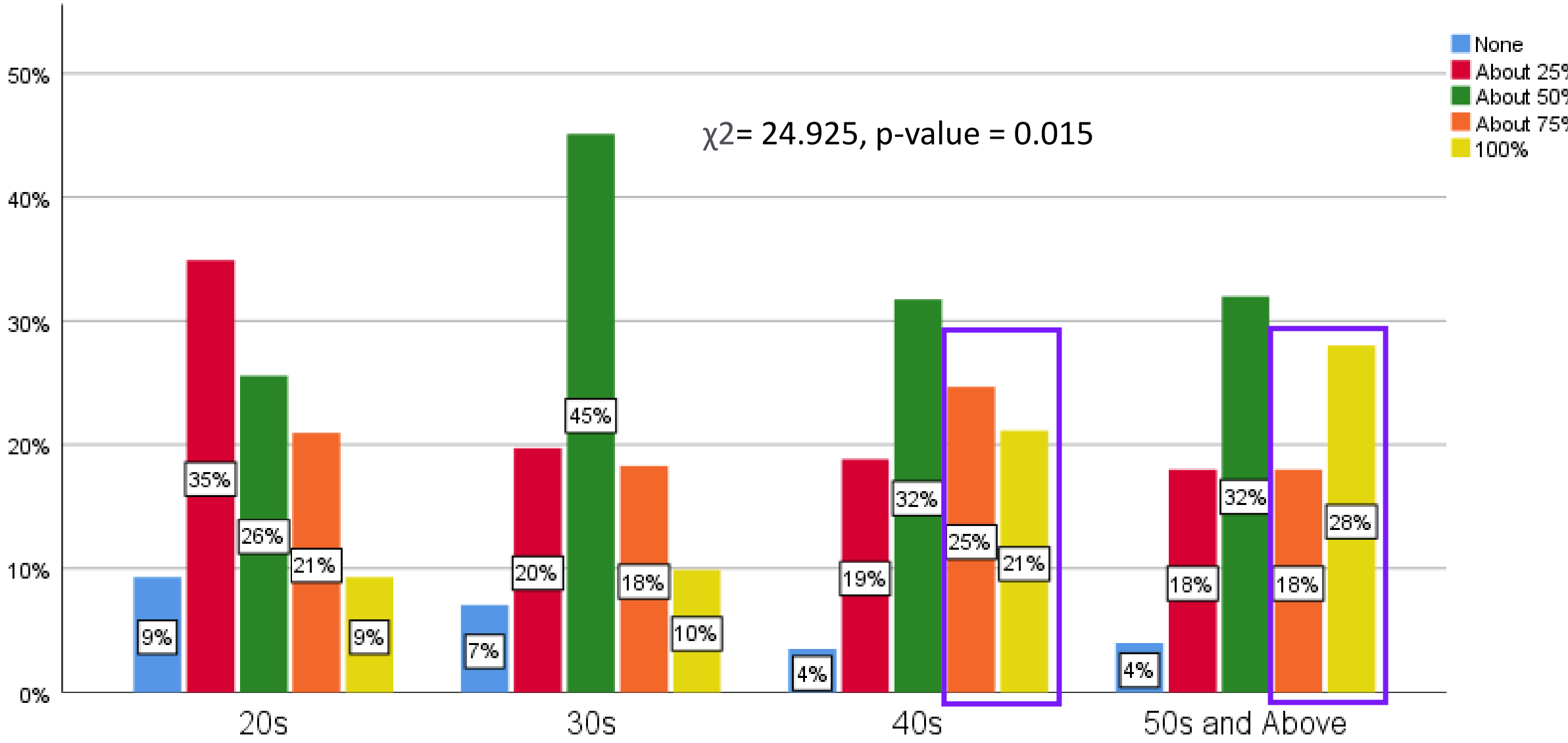

Estimated Marginal Means of Self Directedness
10.00
9.50
9.00
8.50
8.00
7.50
7.00
F = 8.681, p-value = 0.000
7.48
7.66
7.69
8.09
8.86
None
About 25%
About 50%
About 75%
100%
What is your ideal percentage of remote learning in a course?

LEARNING PREFERENCES

AGE


Estimated Marginal Means of Digital Learning Preference
10.00
9.50
9.00
8.50
8.00
7.50
7.00
F = 3.998, p-value = 0.008
7.29
7.31
7.99
7.94
20s
30s
40s
50s and Above

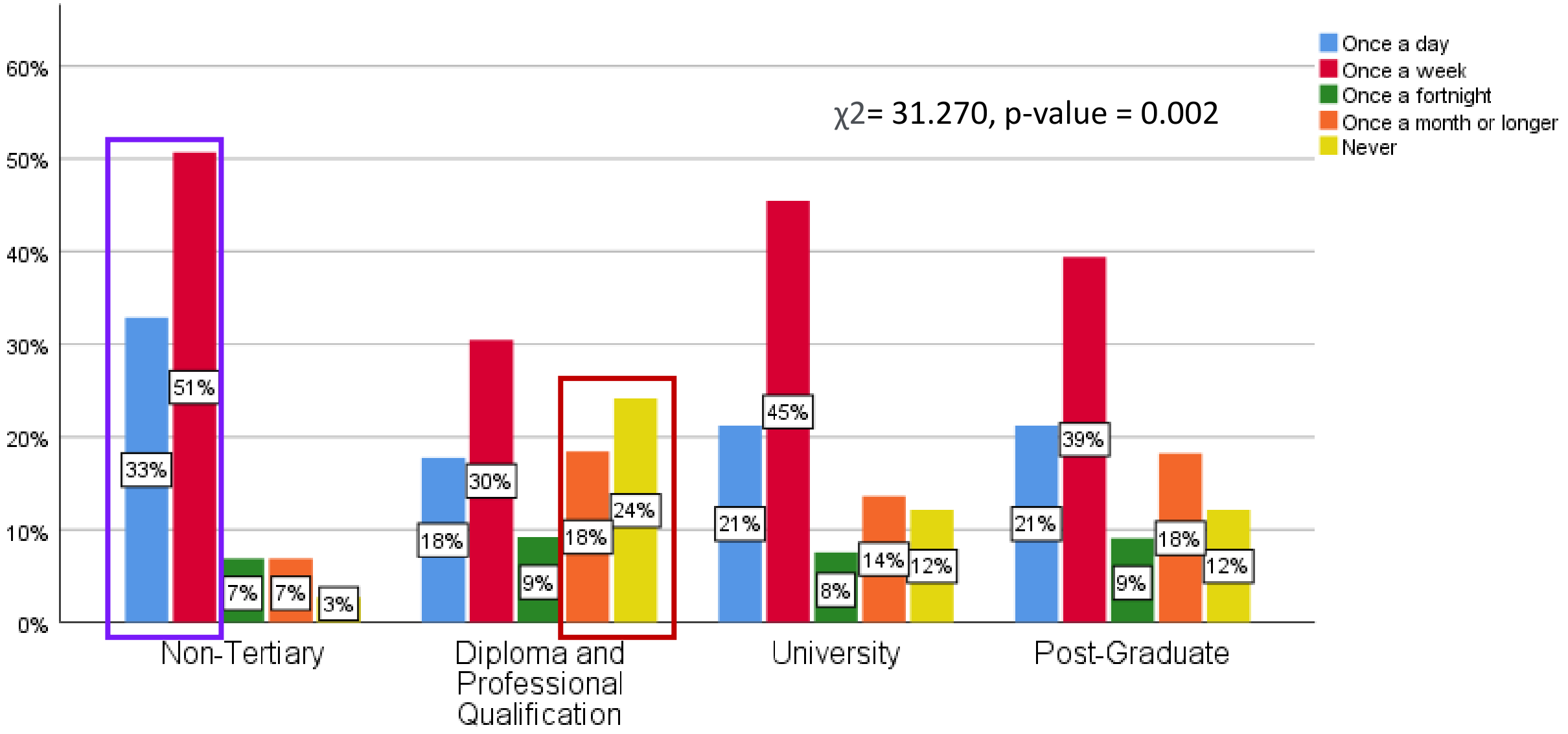
What is your ideal percentage of remote learning in a course?



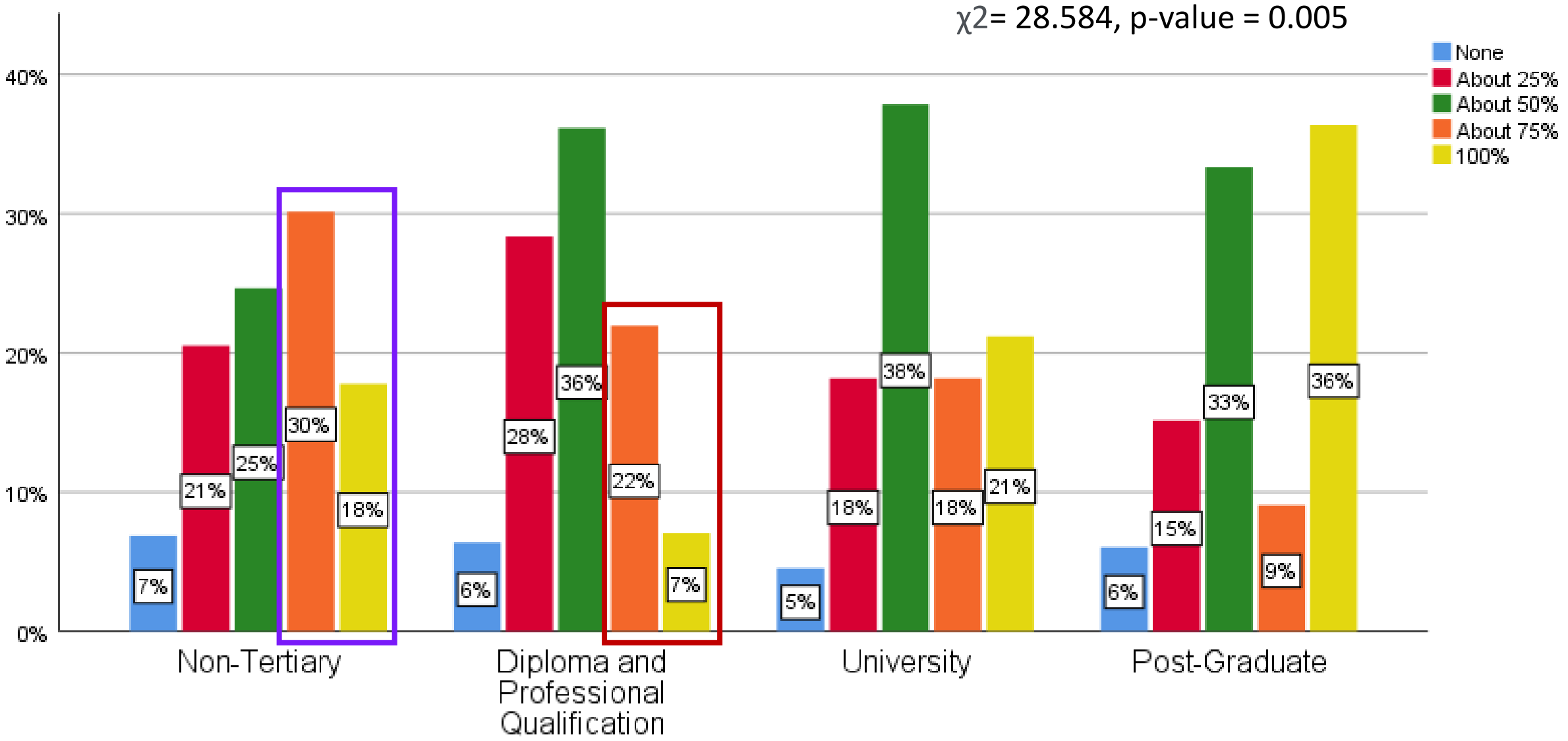
LEARNING PREFERENCES

EDUCATION

How often have you attempted remote learning activities in the past 3 months?



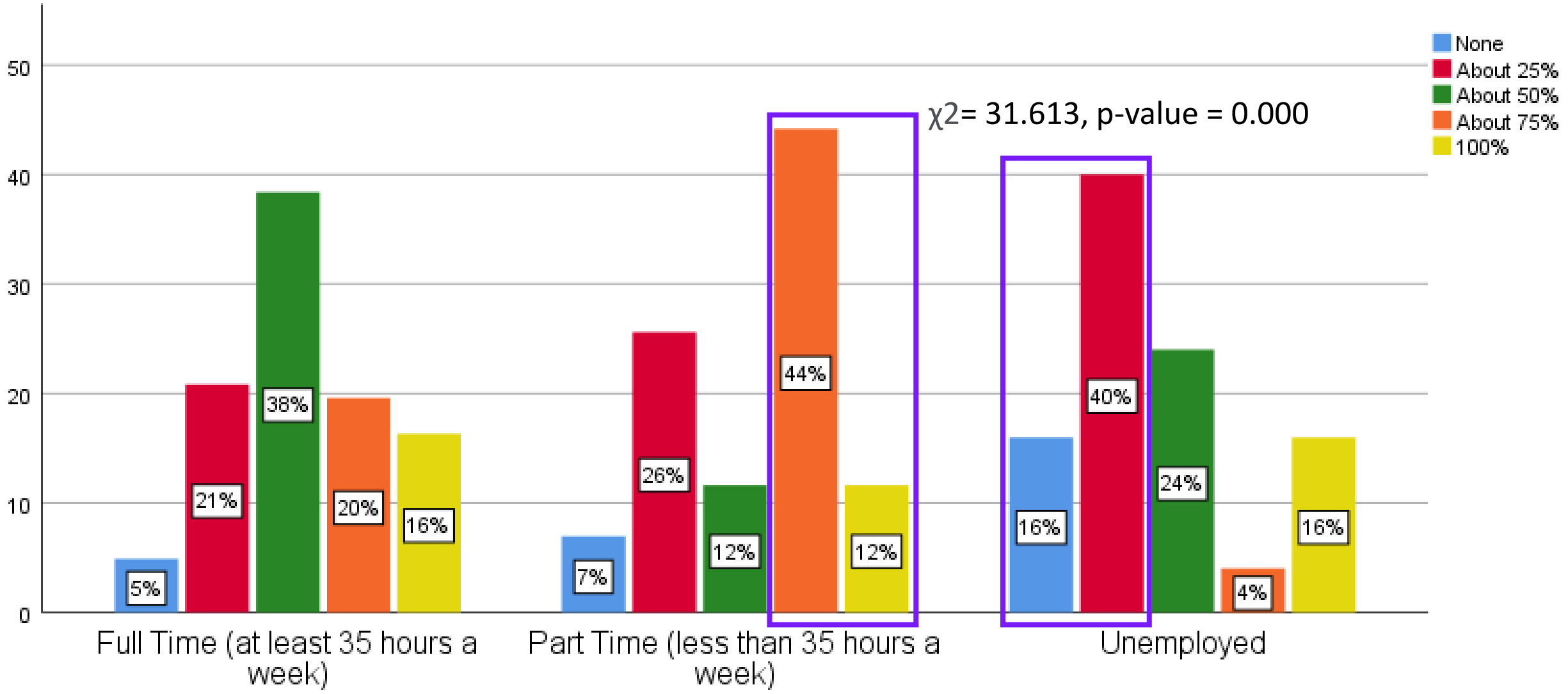
What is your ideal percentage of remote learning in a course?



LEARNING PREFERENCES

EMPLOYMENT

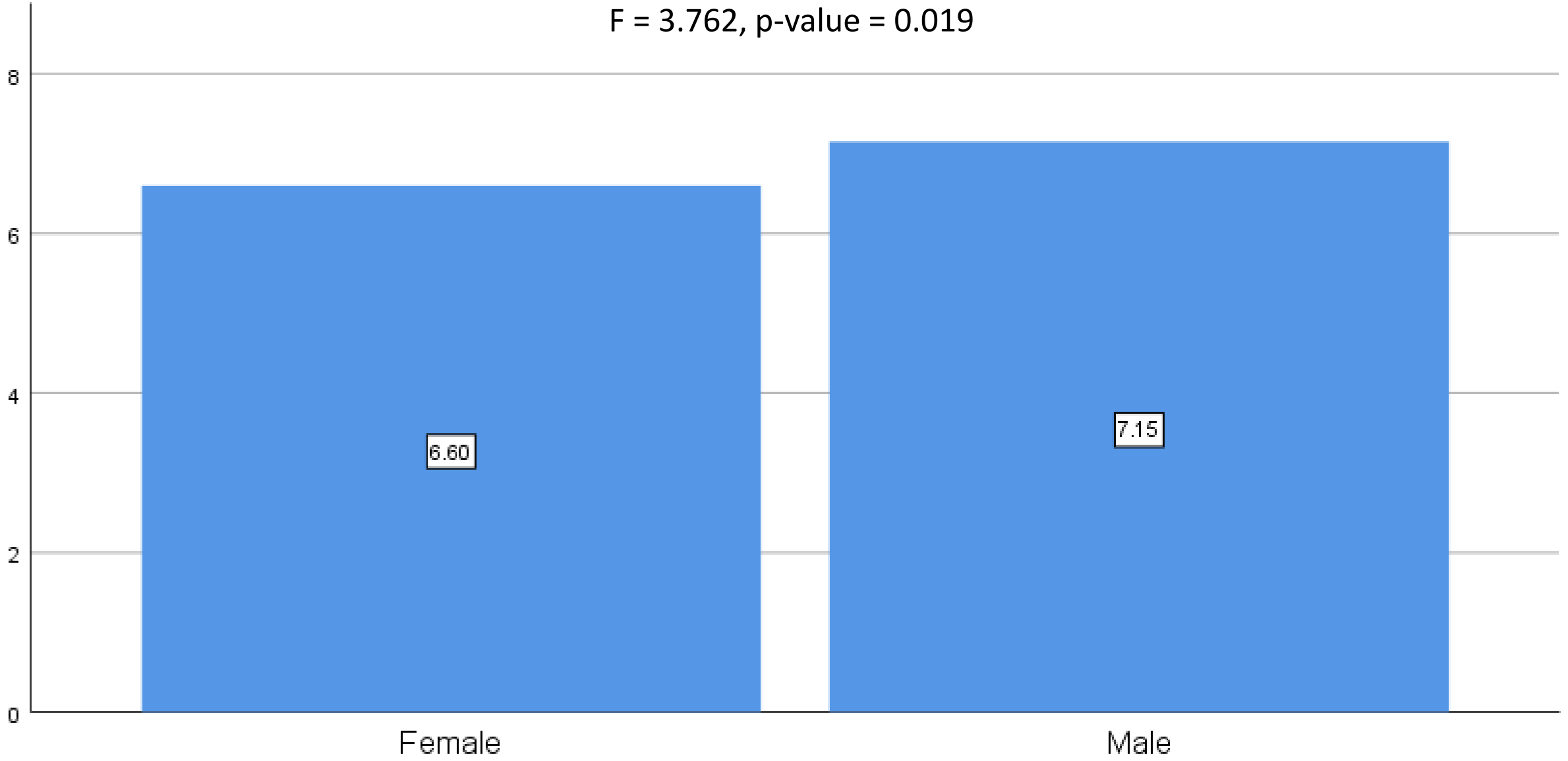
What is your ideal percentage of remote learning in a course?



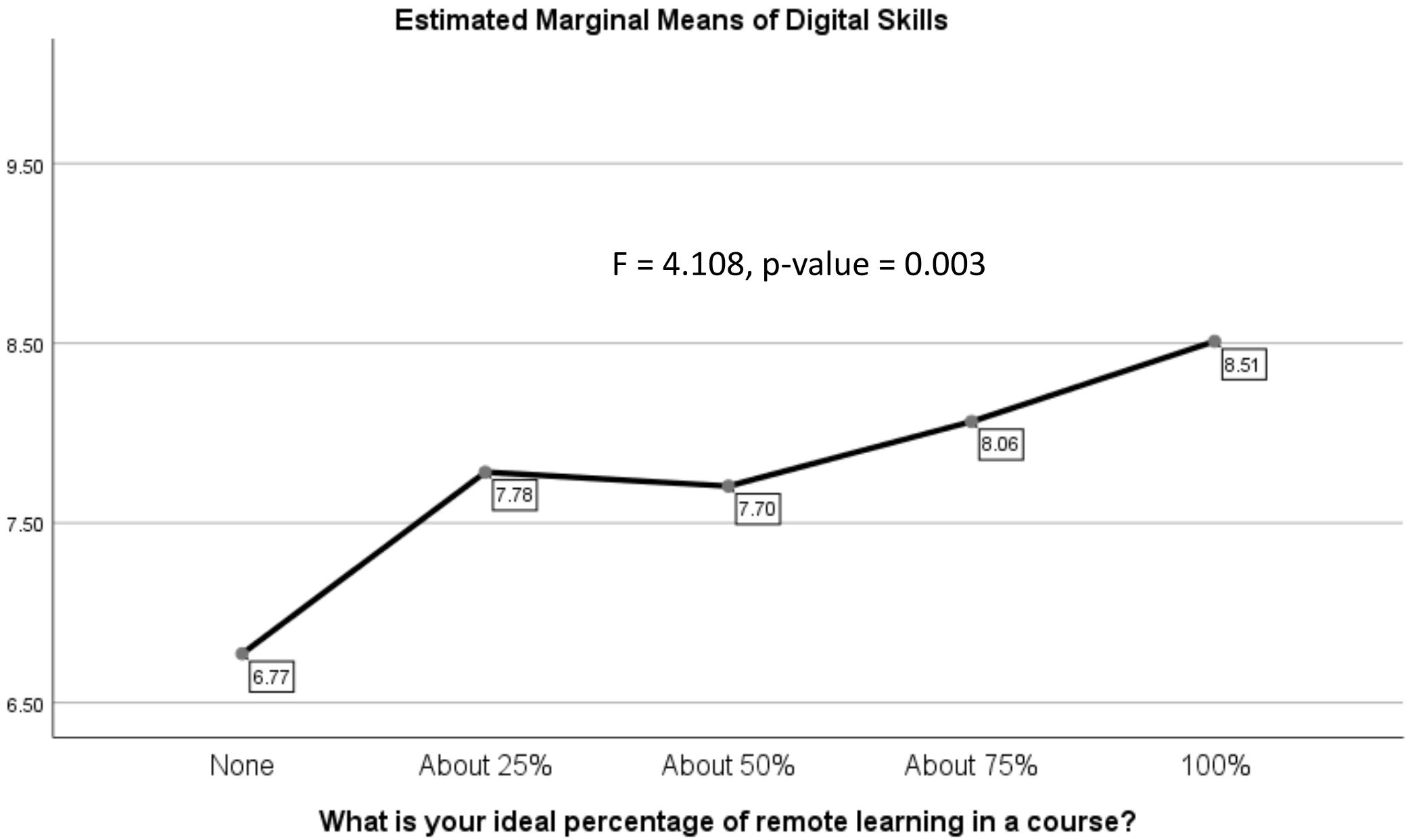
LEARNING PREFERENCES

GENDER

Estimated Marginal Mean Face to Face Learning Preference



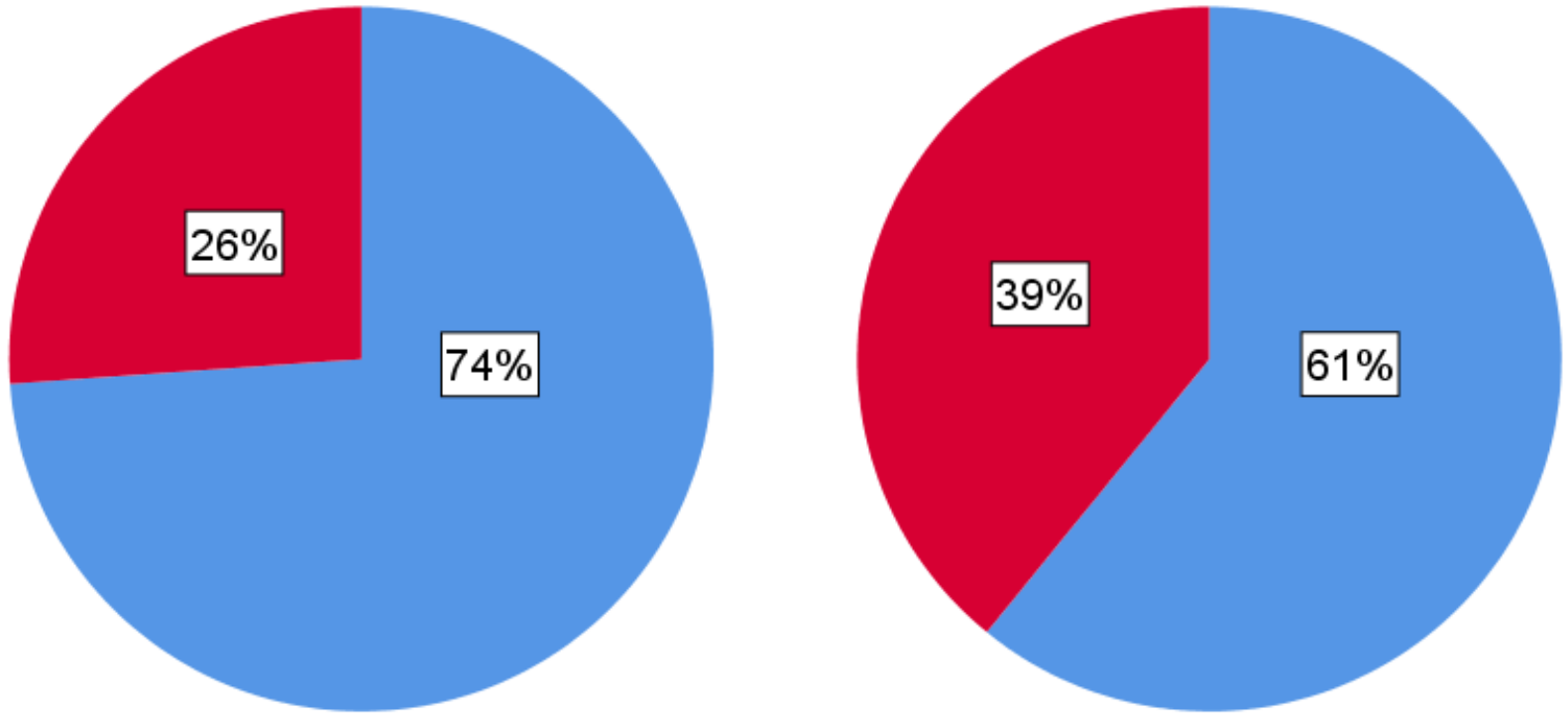
DIGITAL SKILLS


Estimated Marginal Means of Digital Skills
F = 4.108, p-value = 0.003
9.50
8.50
7.50
6.50
6.77
7.78
7.70
8.06
8.51
None
About 25%
About 50%
About 75%
100%
What is your ideal percentage of remote learning in a course?

DIGITAL ACCESSIBILITY

I know someone who can help me if I have issues with my computer for remote learning.

$\chi 2$ = 5.798, p-value = 0.016



Opportunities

Best of In-Person and Online Learning

Remote and Competency-Based Assessments

Online Credentialing

Higher Education with Tech Companies

Strategic Partnerships

Funding Review

Higher Education with Tech – Google

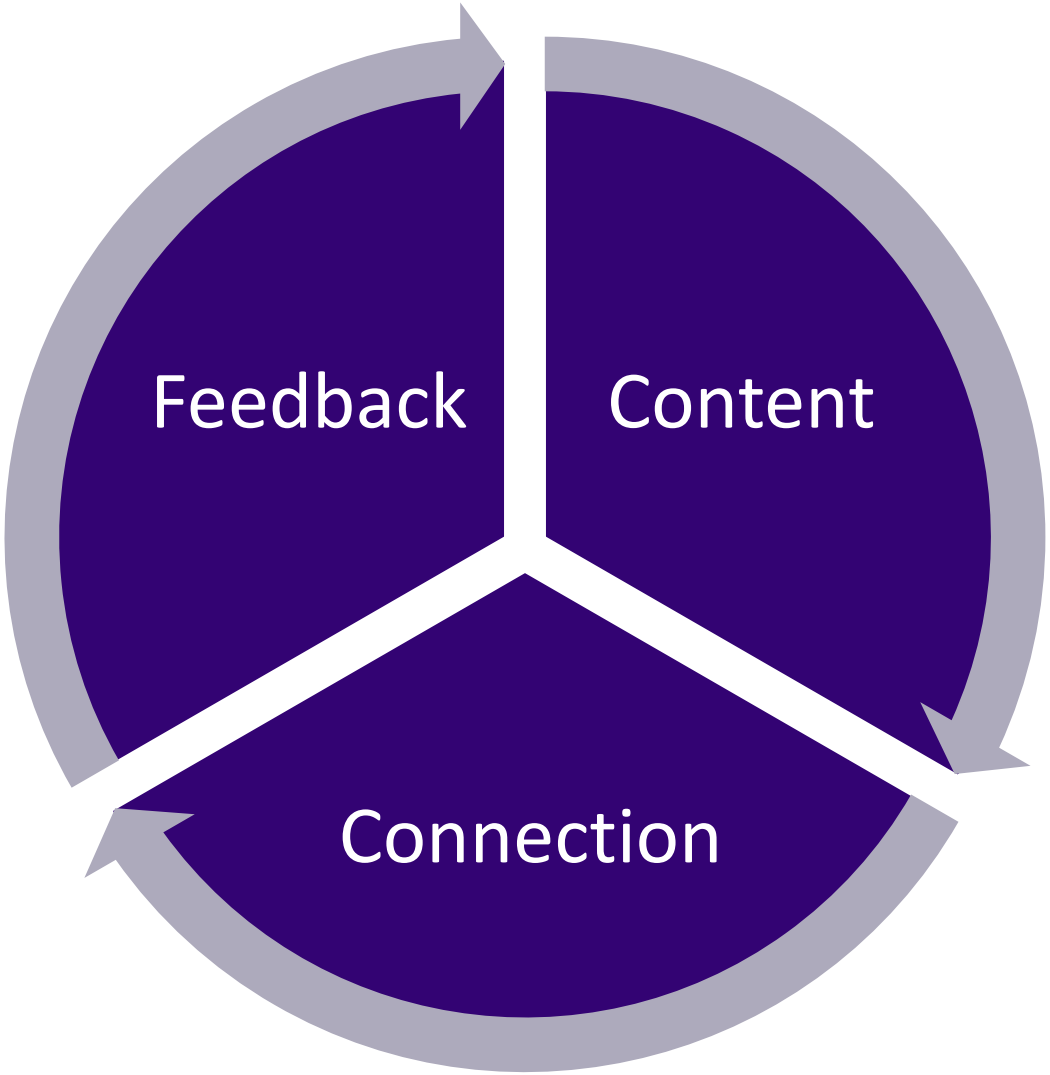
Best of in-person and online – MLC

Competency-Based – Work-Study Programme and Workplace Learning

Adult Learner 360 Framework

Support and Application of Learning

Digital Learning Readiness Bulletin


Feedback
Content
Connection

Q & A