

ASSESSING EDUCATIONAL PATHWAYS FOR MANUFACTURING IN RURAL COMMUNITIES: SELECTED IMPACTS FROM NEW & EXISTING PROGRAMS IN NORTHWEST FLORIDA

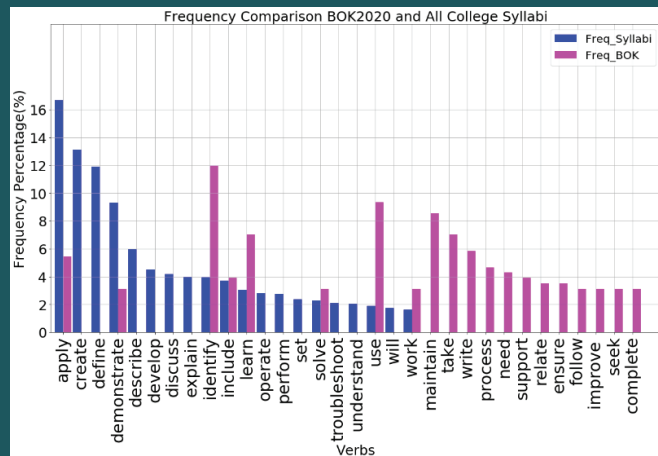
Research Goal: Compare learner, faculty, and employer perspectives for congruence and gaps.

Data:

- 1) AM program syllabi from five state and community colleges in the Northwest Florida Panhandle (curricula)
- 2) Department of Labor 2020 Advancement Manufacturing Competency Model (employers)
- 3) Interviews with regional employers, faculty, new professionals
- 4) Regional job postings

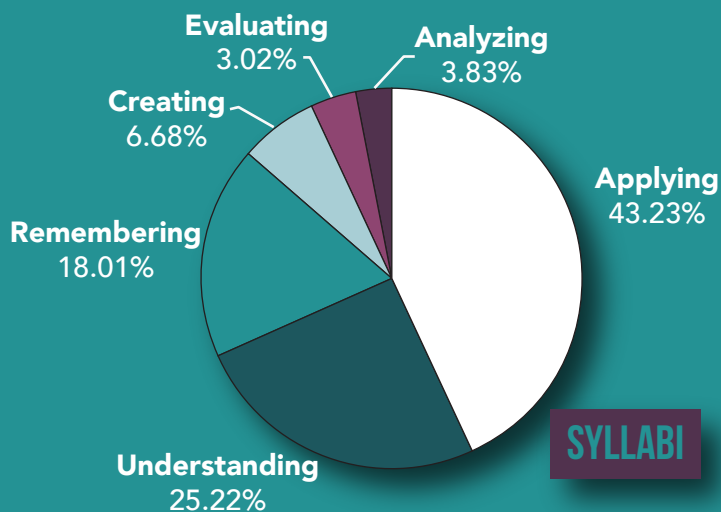
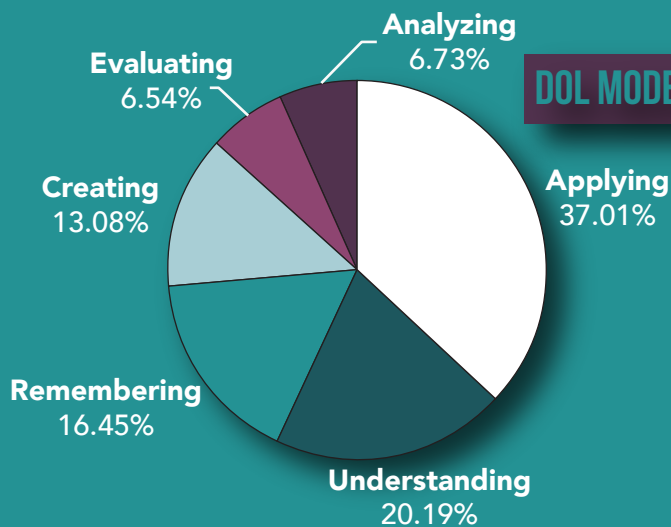
Data Analysis: Text mining and Natural Language Processing. Similarity calculation.

IMPACT: PROGRAM ALIGNMENT TO COMPETENCY MODELS

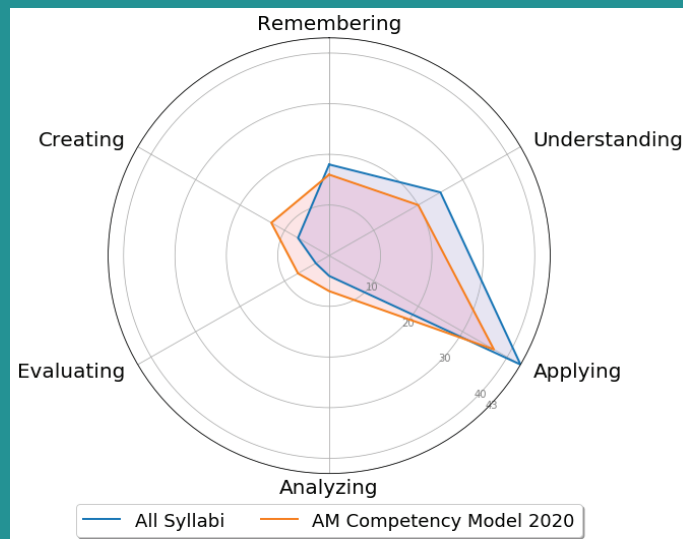


IMPACT: ASSESS COURSE COMPLEXITY

DOL MODEL



IMPACT: COMPARE INSTRUCTIONAL ALIGNMENT



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