

# A Study on the Impact of University Students Career Decision Level, Career Decision-making Self-efficacy and Career Preparation Behavior on Self-determination

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## 1 Introduction

The following research problems were developed based on the objective to foster university students' career decision level, career decision-making self-efficacy, career preparation behavior, and self-determination through the analysis of impact of career decision level, career decision-making self-efficacy, and career preparation behavior on self-determination. First, How does a university student's career decision level affect self-determination? Second, How does a university student's career decision-making self-efficacy affect self-determination? Third, How does a university student's career preparation behavior affect self-determination? Fourth, In which direction do a university student's career decision level, career decision-making self-efficacy, and career preparation behavior affect self-determination?

## 2 Research Methods and Procedures

### 2.1 Research Objects

Table 1. Demographic characteristics (n=392)

variables	contents	frequency (n)	proportion (%)	variables	contents	frequency (n)	proportion (%)
sexuality	man	185	47.2	participation period	1-2 semesters	40	10.2
	woman	207	52.8		3-4 semesters	76	19.4
years	20-21 years(a)	87	22.2		5-6 semesters	182	46.4
	22-23 years(b)	179	45.7		7-8 semesters	94	24.0

	24-25 years(c)	96	24.5	9-10 semesters	39	9.95
	25 years over(d)	30	7.7	1-2 courses	62	15.9
academic years	year 1	12	3.1	3-4 courses	64	163
	year 2	79	20.2	5-6 courses	79	20.2
	year 3	116	29.6	7-8 courses	64	163
	year 4	185	47.2	9-10 courses	41	10.5

## 2.2 Measurement Instruments

For measuring career decision level, the Career Decision Scale (DCS) developed by Osipow et al. [1] and adapted by was used. The scale developed by Betz, Klein, and Taylor[2], and adapted for Korean university students by Ki Hak Lee and Hak Joo Lee[3] was used to measure career decision-making self-efficacy. The scale developed by Bong Hwan Kim[4] and improved by Tae Yong Koh[5] was used to measure career preparation behavior. Self-determination was measured with the measurement scale used Myung Sin Park[6].

## 2.3 Data Collection and Analysis

SPSS 22.0 Program was used for the calculations of the Cronbach's reliability coefficient and correlation analysis, descriptive statistics analysis and frequency analysis to analyze collected data. The multiple regression analysis and path analysis

## 3. Research Results

**Table 2.** Impact on career decision level self-determination

variable	non-standardized coefficient		standardized coefficient (β)	t	multicollinearity	
	B	S.E			Tolerance	VIF
constant	2.002	.184		10.864		
certainty	.258	.032	.394	7.934***	.894	1.118
microcrystalline	.156	.042	.183	3.687***	.894	1.118
F=32.159***, R <sup>2</sup> =.142, ΔR <sup>2</sup> =.137						

\*\*\* p<.001

**Table 3.** Impact on career decision-making self-efficacy self-determination

variable	non-standardized coefficient		standardized coefficient ( $\beta$ )	t	multicollinearity	
	B	S.E			Tolerance	VIF
constant	1.153	.182		6.332		
self-assessment information collected	.102	.063	.100	1.626*	.430	2.324
set goals	.194	.058	.207	3.358**	.428	2.336
career planning	-.162	.058	-.162	2.802**	.488	2.051
problem solving	.460	.058	.465	7.881***	.466	2.144
	.023	.054	.021	.419*	.636	1.572

F=45.923\*\*\*, R<sup>2</sup>=.373,  $\Delta$ R<sup>2</sup>=.365

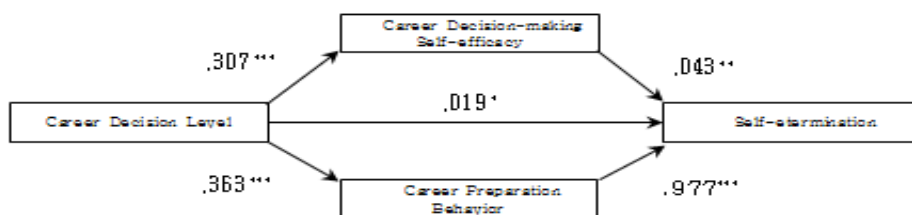
\* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$

**Table 4.** Impact on career preparation behavior self-determination

variable	non-standardized coefficient		standardized coefficient ( $\beta$ )	t	multicollinearity	
	B	S.E			Tolerance	VIF
constant	.083	.024		3.466		
explore activities	.791	.011	.780	74.519***	.434	2.303
explore activities	.185	.007	.260	24.814***	.434	2.303

F=10307.283\*\*\*, R<sup>2</sup>=.981,  $\Delta$ R<sup>2</sup>=.981

\*\*\* $p < .001$



**Fig. 1.** Career decision level, on career decision-making self-efficacy and career preparation behavior, path between the self-determination

**Table 5.** Career decision level, career decision-making self-efficacy, career preparation behavior, path effects between self-determination

predictor variable	life core competencies			indirect effects path
	direct effect	indirect effect	total effect	
career decision level	.019	.307x.043=.013 .363x.977=.355	.368 .387	career decision level -> career decision-making self-efficacy career decision level -> career preparation behavior
career decision-making self-efficacy	.043	-	.043	
career preparation behavior	.977	-	.977	

#### 4 Discussion and Conclusion

Research results. First, it was found that a university student's career decision level statically and significantly affected self-determination. It showed that a higher level of career decision was related to a higher level of self-determination. Second, it was found that a university student's career decision-making self-efficacy statically and significantly affected self-determination. This showed that higher level of career decision-making self-efficacy was related to higher level of self-determination. Third, it was found that university student's career preparation behavior statically and significantly affected self-determination. It showed that a higher level of career preparation behavior was related to a higher level of self-determination. Fourth, it was found that a university student's career decision level statically and significantly affected self-determination through its relationship with career decision-making self-efficacy and career preparation behavior. Therefore, a university student's career preparation behavior, career decision-making self-efficacy, and career decision level directly affected self-determination in respective order. Also, a university student's career decision level had indirect effect on self-determination through career decision-making self-efficacy and career preparation behavior. It showed that university education affects self-determination through university students' career decision level, career decision-making self-efficacy, and career preparation behavior.

#### References

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