The Intent of Mobility of students from Marrakech University

GDRI DREEM Conference
Innovation and Development in the Mediteranean Countries

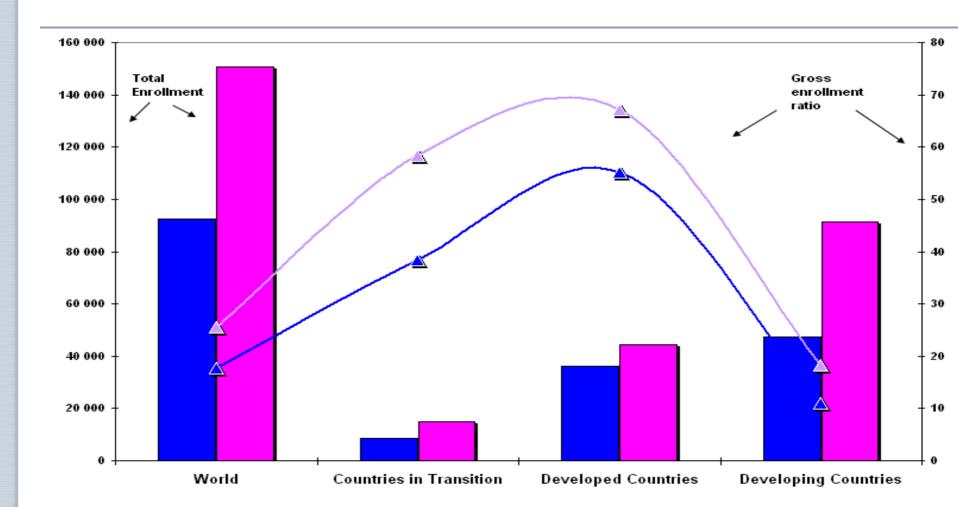
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Demand for Higher Education is growing





Data from the survey



Analyze the formation of the mobility project

- What is the role of International Mobility in the students trajectories (Department, Achievement) ?
- Why Science Students are more likely to go?

Methodology

- Survey at the University 'Cadi Ayyad' of Marrakech (stratified by department and level : sampling rate 50%)
- Bilingual Electronic Questionnaire (approximately 2000 questionnaires, subsample of 1317 individuals – complete responses ~ dropout problem)
- 5 themes (350 variables-including trajectories for each education level) :
 - Student characteristics,
 - Academic path,
 - Intentions,
 - Entourage,
 - Evaluation of the Context of Higher Education

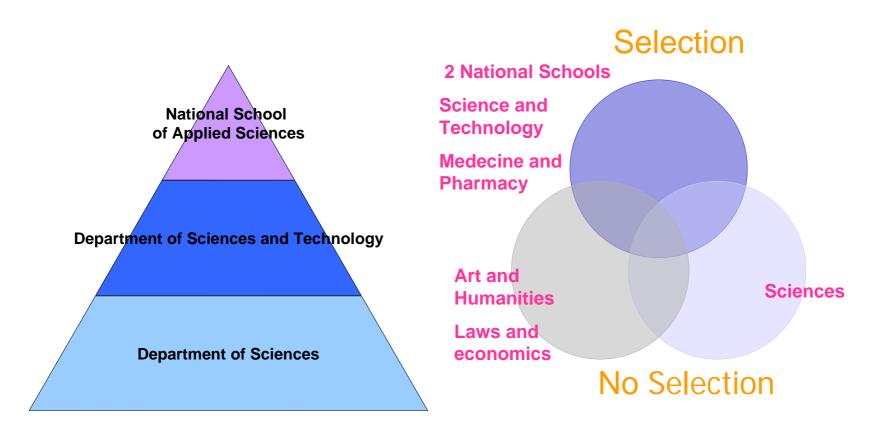


Measuring Intentions: from the macro to micro scale

- Contextual factors in the process of migration decision :
 - Push & Pull Factors
 - Stay or move decision
- ☐ With an increased mobility it becomes more difficult to predict migration flows
 - Theory of Planned Behavior
 - Intentions are a good predictor of migration, as opportunities arise or not ...

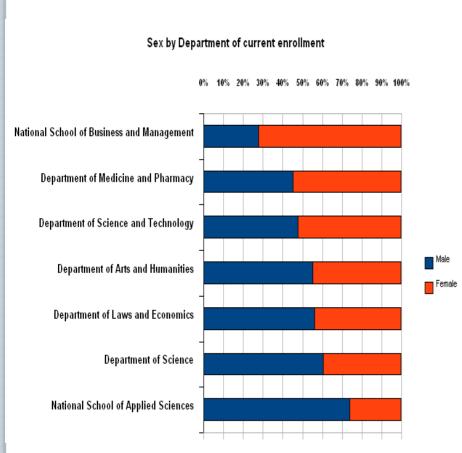


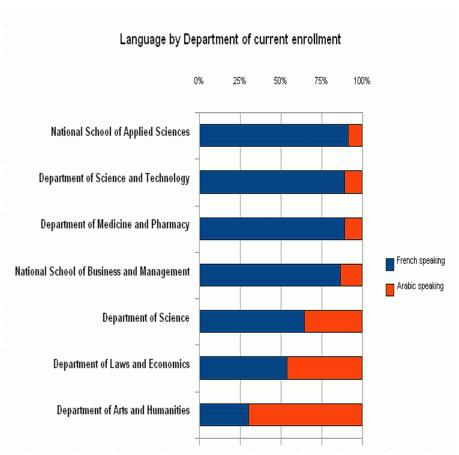
Relative position of Trainings within the System Stratification





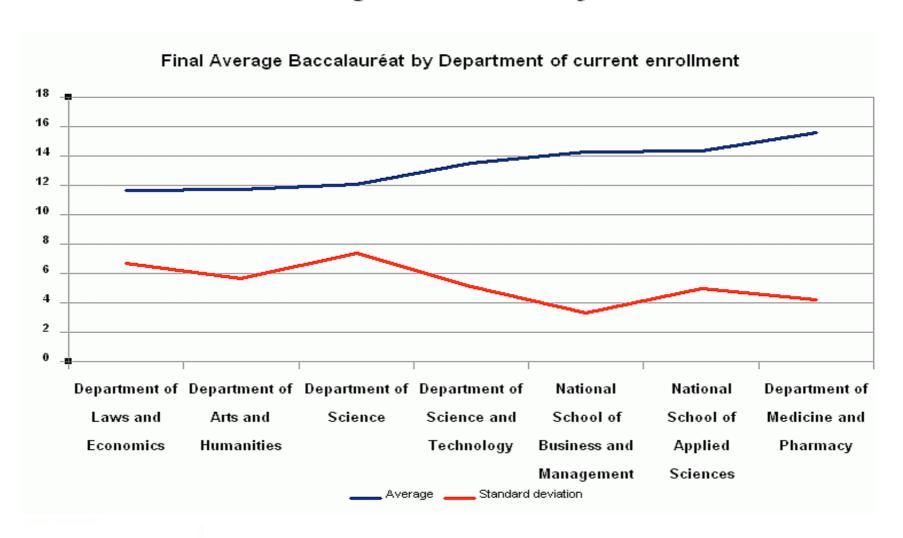
Stratification of Higher Education System of Morocco





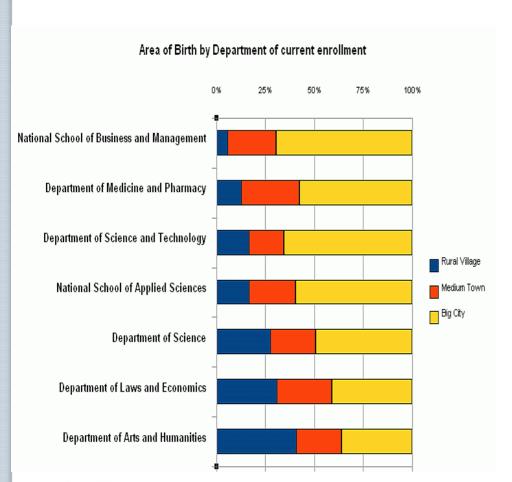


Stratification of Higher Education System of Morocco

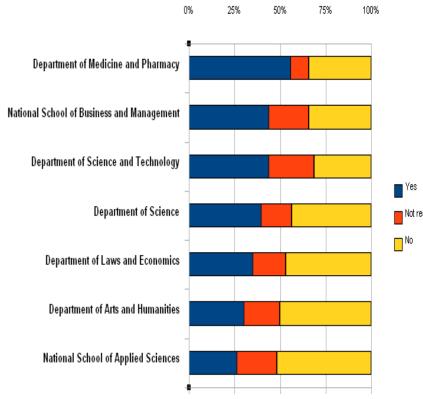




Social and Educational characteristics

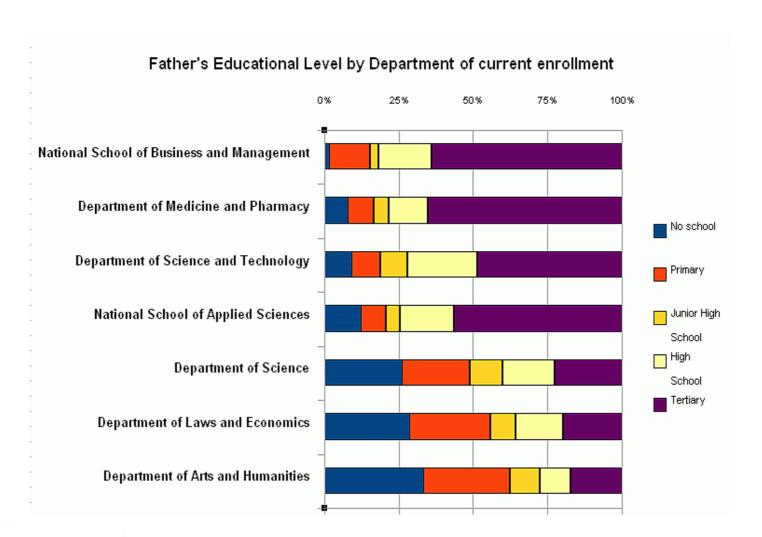


Mother's Litteracy Level by Department of current enrollment





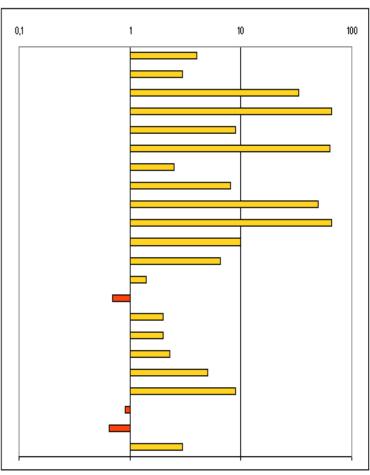
Social and Educational characteristics





Be enrolled in a Selective Department

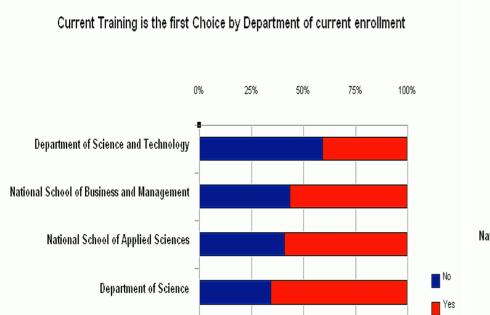
Model 1					
PARAMETER	REFERENCE	EFFECT	COEFF	PR>KHI2 odd RAT	ſΙΟ
Intercept			-12	kkk	
Language	Arabic	French	1,1	**	4
Region of origin	Marrakech	Other	0,7	**	3
Type of Baccalauréat	Litterature	Experimental Sciences	3,2	***	33
		Mathematical Sciences	3,9	stake	66
		Economics	2,3	**	9
		Technical and Vocational	3,9	***	64
Change Training	No	Yes	0,4		2,5
Final average Baccalauréat	Medium	Pretty Good	1,9	***	8
		Good	3,5	skk	50
		Very Good	3,9	stake	66
Interruption Graduate	Yes	No	2,3	**	10
Currently holds a professional Activity	Yes	No	1,6	**	6,5
Parental Financing	No	Yes	0,3		1,4
Mother's Activity	Unemployed	Employer or Self-employed	-0,6		0,7
		Employee	0,5	*	2
Father's Education level	None	Primary	0,5		2
		Secondary-1st Level	1,0	*	2,3
		Secondary-2nd Level	1,2	*	5
		Tertiary	2,0	***	9
Number of Siblings			-0,1	**	0,9
Current Training is the 1st choice	Yes	No	-0,8	**	0,65

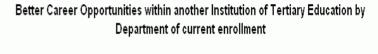


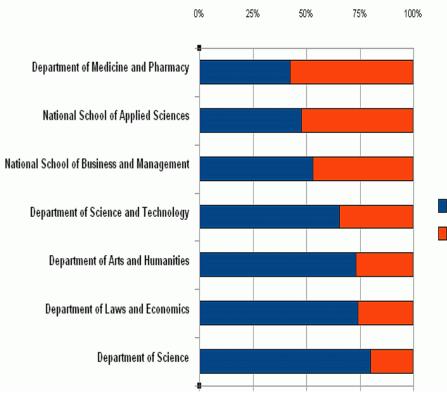


Better Training that the current

The Trajectories & Opportunities Dialectic : A Supply Assessment







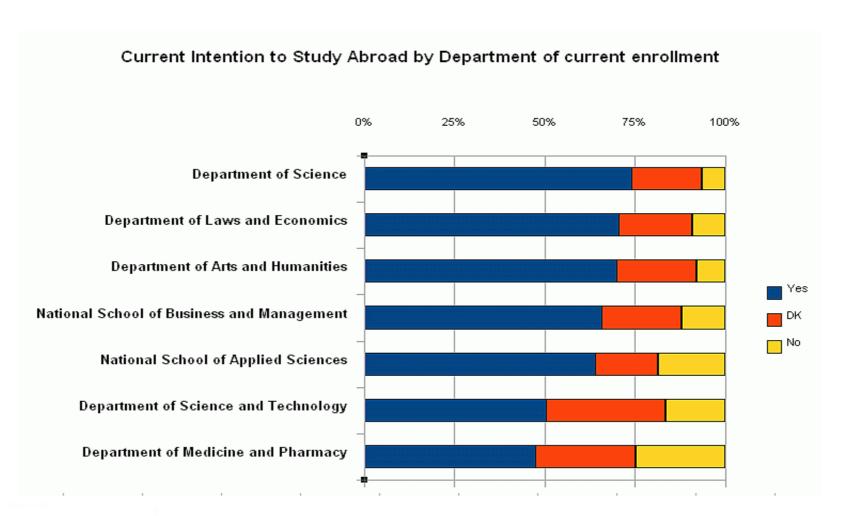


Department of Laws and Economics

Department of Medicine and Pharmacy

Department of Arts and Humanities

The Trajectories & Opportunities Dialectic : A Supply Assessment

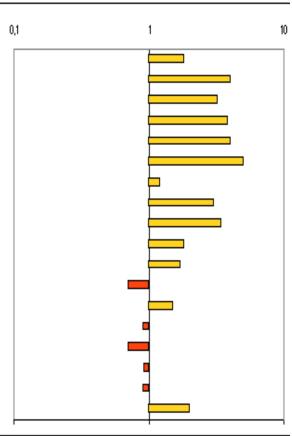




The selection effect in the intention to Study Abroad

Model 2

PARAMETER	REFERENCE	EFFECT	COEFF	PR>KHI ODD RATIO
Intercept			-1,4	***
Language	Arabic	French	0,5	*** 1,8
Departement of current	Department of Medicine	National School of Business and Management	1	** 4
enrollement	and Pharmacy	National School of Applied Sciences	0,8	* 3,2
		Department of Arts and Humanities	0,9	** 3,8
		Department of Laws and Economics	1	*** 4
		Department of Science	1,3	*** 5
		Department of Science and Technology	0,1	n.s. 1,2
Sex	Female	Male	0,6	*** 3
Type of Baccalauréat	Mathematical Sciences	Litterature	0,9	** 3,4
		Experimental Sciences	0,4	* 1,8
Application for registration		Economics	0,4	n.s. 1,7
(Other institution or		Technical and Vocational	-0,4	n.s. 0,7
Department)	No	Yes	0,3	** 1,5
Parental Financing	No	Yes	-0,3	** 0,9
Level of Education	ISCED 6	ISCED 5A	-0,4	** 0,7
Expected		ISCED 5B	-0,1	n.s. 0,92
		DK	-0,3	* 0,9
Better Training than current	Yes	No	0,5	*** 2





The composition effect in the intention to Study Abroad

PARAMETER	REFERENCE	EFFECT	COEFF	PB>KHI2
Intercept			-1,4	
Language	Arabic	French	0,5	
		National School of Business and Managerr	-1,9	
		National School of Applied Sciences	0,6	-
		Department of Arts and Humanities	0,5	
		Department of Laws and Economics	0,08	
		Department of Science	1,9	
		Department of Science and Technology	0,1	n.s.
Sex	Female	Male	0,6	
		National School of Business and Manageπ	0,44	n.s.
		National School of Applied Sciences	1,5	-
		Department of Arts and Humanities	0,7	
		Department of Laws and Economics	0,6	
		Department of Science	0,4	n.s.
		Department of Science and Technology	0,8	-
Final average Baccalauréat	Medium	Pretty Good	0,9	
		National School of Business and Managerr	1,7	n.s.
		National School of Applied Sciences	-1,8	n.s.
		Department of Arts and Humanities	-0,2	n.s.
		Department of Laws and Economics	0,2	n.s.
		Department of Science	-0,7	n.s.
		Department of Science and Technology	-0,9	n.s.
		Good	0,4	-
		National School of Business and Manageπ	1,6	n.s.
		National School of Applied Sciences	-1	n.s.
		Department of Arts and Humanities	0,3	n.s.
		Department of Laws and Economics	-0,1	n.s.
		Department of Science	1,7	
		Department of Science and Technology	-1,3	-
		Very Good	0,4	n.s.
		National School of Business and Managerr	2,6	n.s.
		National School of Applied Sciences	-0,1	n.s.
		Department of Arts and Humanities	-0,1	n.s.
		Department of Laws and Economics	-0,5	n.s.
		Department of Science	0,1	n.s.
		Department of Science and Technology	-0,4	n.s.



The composition effect in the intention to Study Abroad

PARAMETER	REFEREN EFFECT		COEFF	PR>KHI2
Application for registration	No	Yes	0,3	
(Other institution or Departmen		National School of Business and Managem	0,7	n.s.
		National School of Applied Sciences	-0,2	n.s.
		Department of Arts and Humanities	0,1	n.s.
		Department of Laws and Economics	0,6	
		Department of Science	0,6	n.s.
		Department of Science and Technology	-0,2	n.s.
Parental Financing	Yes	No	-0,3	
		National School of Applied Sciences	-0,1	n.s.
		Department of Arts and Humanities	-0,5	n.s.
		Department of Laws and Economics	0,7	
		Department of Science	0,8	
		Department of Science and Technology	1,0	N.S.
		Department of Science and Technology	0,5	-
Better Training than current	No	Yes	0,6	
		National School of Applied Sciences	0,5	n.s.
		Department of Arts and Humanities	0,5	N.S.
		Department of Laws and Economics	-0,2	n.s.
		Department of Science	-0,4	
		Department of Science and Technology	-0,5	n.s.
		Department of Science and Technology	0,1	n.s.



Conclusion 1: Compensate for the lack of Supplies

- □ Over 60 % of students at the University of Marrakech declare an intention to study abroad
- □ 30% have taken steps for application
- ☐ A selection effect between the intent declaration and the migration (8.000 / year in France)
- ☐ The International Higher Education Supply addresses the lack of local provision



Conclusion 2: A Brain Circulation with a Brain Gain?

International Supply has always been a challenge for the development of Higher Education Systems

□ISM as an incentive to continue his studies

