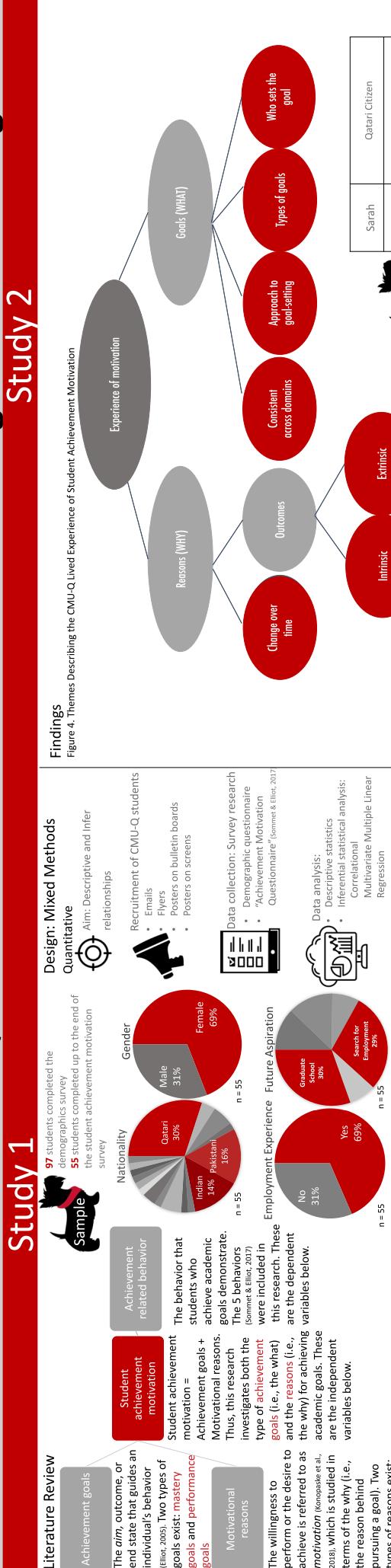


Student Achievement Motivation at CMU-Q:

Investigating the Types of Academic Achievement Goals, Reasons for Goal Pursuit Students in Qatar's Branch Campus of CMU

Alhamad Al-Thani Advisor: Farideh le Roux

"What motivation do CMU-Q students demonstrate for achieving their academic goals?"



Study 2

Findings

Figure 4. Themes Describing the CMU-Q Lived Experience of Student Achievement Motivation

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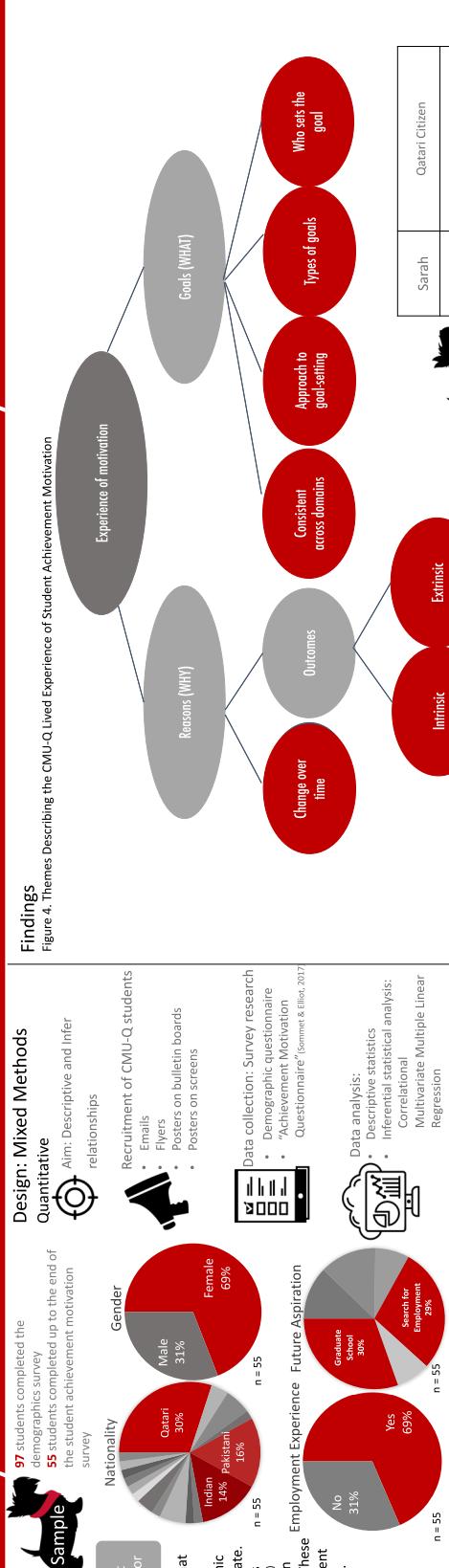
    graph TD
      A([Experience of motivation]) --- B([Reasons (WHY)])
      A --- C([Goals (WHAT)])
      B --- D([Consistent across domains])
      B --- E([Outcomes])
      C --- F([Who sets the goal])
      C --- G([Types of goals])
      C --- H([Approach to goal-setting])
      D --- I([Change over time])
      E --- I
      F --- J([Intrinsic])
      G --- J
      H --- J
  
```

The diagram illustrates the relationships between various themes of student achievement motivation. It features three main clusters of themes:

- Experience of motivation** (grey oval) connects to **Reasons (WHY)** and **Goals (WHAT)**.
- Reasons (WHY)** (grey oval) connects to **Consistent across domains** and **Outcomes**.
- Goals (WHAT)** (grey oval) connects to **Who sets the goal**, **Types of goals**, and **Approach to goal-setting**.
- Outcomes** (grey oval) connects to **Change over time**.
- Change over time** (red oval) connects to **Intrinsic**.
- Who sets the goal**, **Types of goals**, **Approach to goal-setting**, and **Intrinsic** are all connected to a single participant box.

Sarah	Qatari Citizen
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Study 1



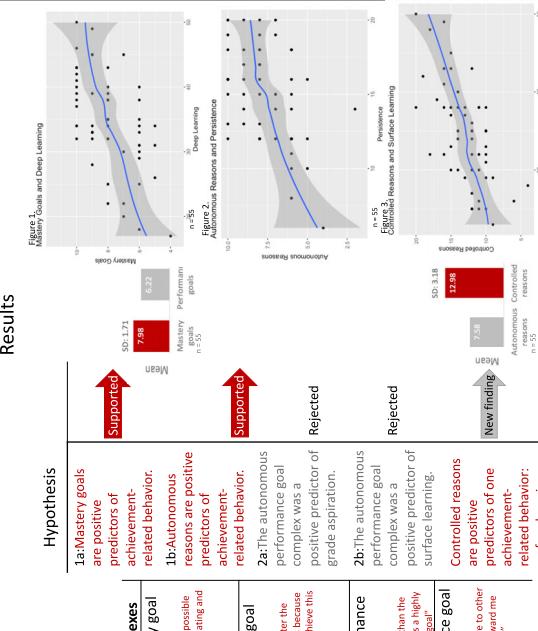
Findings

Figure 4. Themes Describing the CMU-Q Lived Experience of Student Achievement Motivation

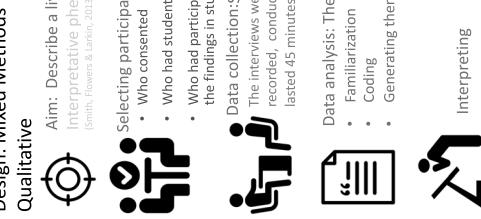
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graph TD
    EM([Experience of motivation]) --- RWHY([Reasons (WHY)])
    EM --- GWAT([Goals (WHAT)])
    RWHY --- CAAD([Consistent across domains])
    RWHY --- AGS([Approach to goal-setting])
    RWHY --- OUT([Outcomes])
    GWAT --- AGS
    GWAT --- OUT
    OUT --- COT([Change over time])
    OUT --- INTR([Intrinsic])
    COT --- S([Sarah])
    COT --- QC([Qatari Citizen])
    INTR --- EXTR([Extrinsic])
  
```

Hypothesis		1a: Mastery goals are positive predictors of achievement-related behavior.		1b: Autonomous reasons are positive predictors of achievement-related behavior.		2a: The autonomy complex was a positive predictor of grade aspiration.		2b: The autonomy complex was a positive predictor of surface learning.		Controlled reasons are positive predictors of one achievement-related behavior.	
		Independent Variables		Goal-Reason Complexes							
		Goal	Reasons	Autonomous mastery goal complex	Autonomous mastery goal	Controlled mastery goal complex		Controlled performance goal complex		Controlled performance goal complex	
		Mastery goals ("My goal is to learn as much as possible")	Autonomous reasons ("In my classes I pursue my goals as much as possible because I find that a highly stimulating and challenging goal")	"My goal is to learn as much as possible because I find that a highly stimulating and challenging goal"		"My aim is to complete my tasks faster than others because I will receive this goal's reward."		"My goal is to perform better than the other students because this is a highly stimulating and challenging goal."		"My aim is to perform well relative to other students because others will reward me only if I achieve this goal."	
Method	Demographic/Control Variables	Performance Goals ("My goal is to perform well relative to other students")	Controlled reasons ("In my classes I pursue my goals as much as possible because I find that a highly stimulating and challenging goal")								
	Major, Gender, Age, Socioeconomic status, Class standing, Future aspiration, Employment history										
		Achievement-Related Behavior:		Dependent Variables		1. Deep learning strategy e.g., studying during free time		4. Grade aspiration e.g., minimum average grade that would satisfy students		5. Persistence e.g., spent extra time	
						2. Surface learning strategy e.g., memorizing					
						3. Challenging tasks e.g., take on challenges					



Decision: Mixed Methods



Design: Mixed Methods	Qualitative	Aim: Describe a life Interpretive phen (Senn, Novak & Larson, 2012)	Selecting participants	Data collection:	Data analysis: The
	   	<ul style="list-style-type: none"> • Who consented • Who had students • Who had participated <p>the findings in strict recorded, conducted lasted 45 minutes</p>	<ul style="list-style-type: none"> • Who had participated 	<p>• Who had participated</p> <p>• Who had participated</p> <p>• Who had participated</p>	<ul style="list-style-type: none"> • Familiarization • Coding • Generating themes

Discussion

Future Research

- Generating themes
 1. Conduct longitudinal research on student achievement motivation.
 2. Research student achievement motivation across a larger population, such as multiple universities in Qatar.
 3. Explore achievement motivation in graduate hires in an established workforce.
 - Interpreting



Carnegie Mellon University Qatar