



Quantitative
Techniques
for Economics
and Management



TUM School of Management
Technical University of Munich



Join the Global Analytics Network

QTEM

Using analytics
to create a better world



“

Today companies recognize that success with AI and analytics requires not just data scientists but more importantly “translators”:

they ensure that the deep insights generated through sophisticated analytics translate into impact at scale in an organization

**Harvard
Business
Review**

“

Forget Data Scientists
And Hire A Data
Translator Instead?

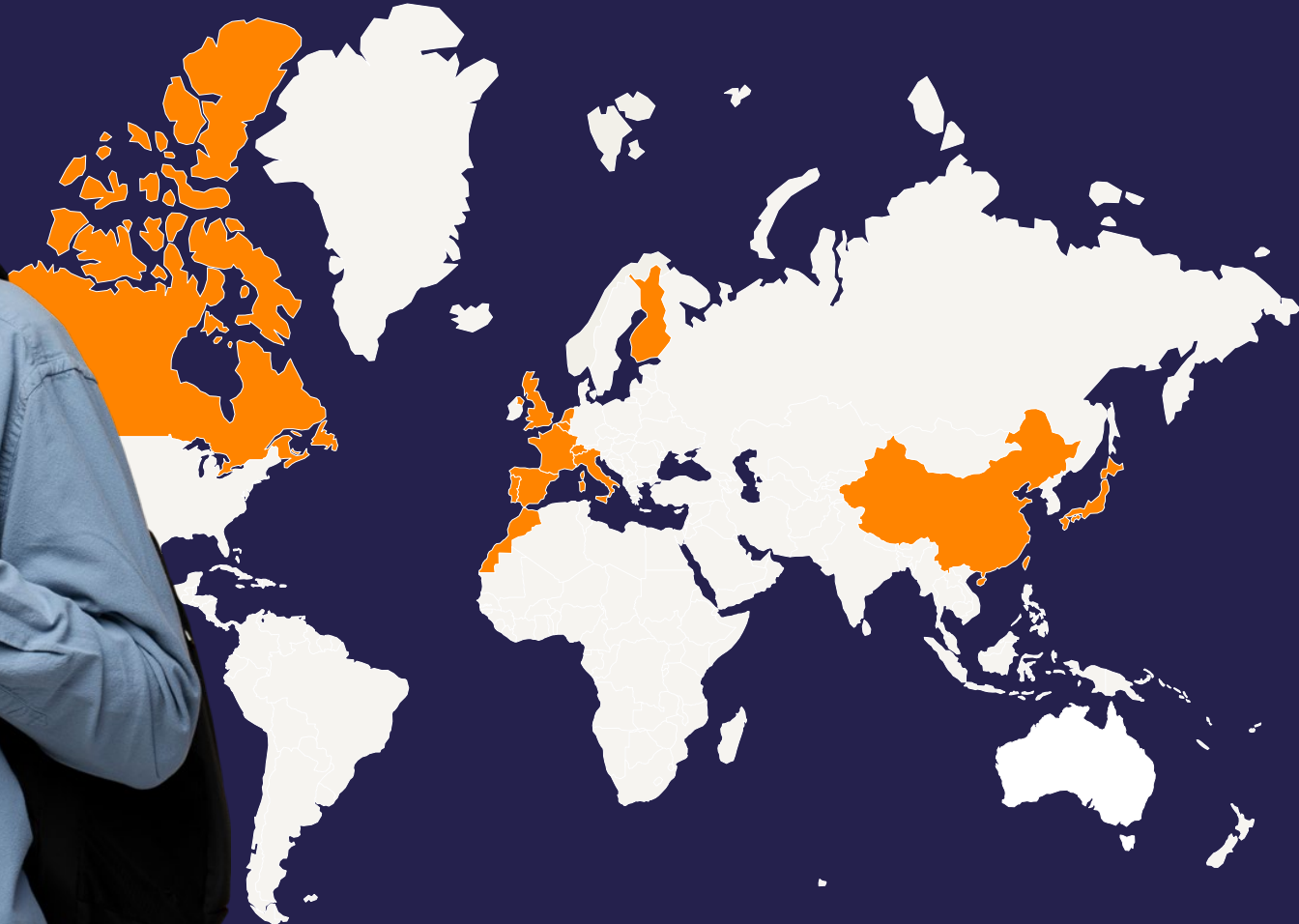
A data translator is someone who can “talk the talk” of both the executives and the data scientists

Forbes

The QTEM
network was
created to
equip students
with these skills



QTEM, the global network involving more than 20 outstanding ranked business schools and universities worldwide



14
countries

4
continents





QTEM program offer:



Gain
**Quantitative
and analytical** skills

- GMAT test (for admission)
- Quantitative courses at home and abroad in specific modules
- Data Science training



Get
In-field experience
Access the network's
Corporate Partners

- Activities with QTEM Corporate Partners
- Internship 6 -8 weeks
- QTEM Data Challenge



Discover the world
Up to two semesters abroad at
QTEM Academic Partners

- 1 or 2 exchanges and/or other international exposure
- Be part of the QTEM community
- Multicultural collaboration training

✓ **Global Business Analytics Challenge (GBAC)**



Earn the QTEM
Degree together
with your TUM
Master's Degree



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Specialize in top analytical fields

↓ During your Master's in "Management and Technology", you can access exclusive courses at TUM and our QTEM partner universities in these different modules



↑
Applied
Economics
& Public Policy



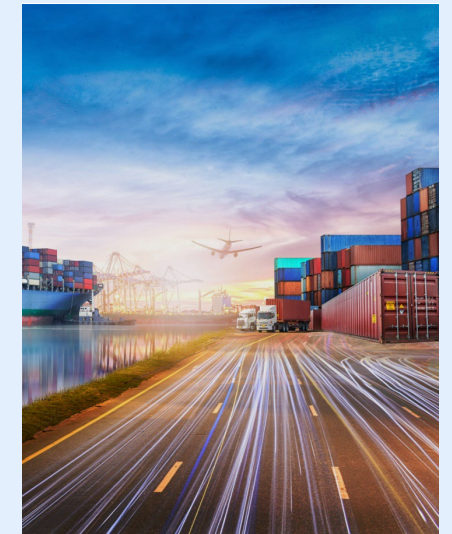
↑
Business
Intelligence
& Big Data



↑
Finance & Risk
Management



↑
Innovation
& Strategy



↑
Marketing
& Supply Chain



Embark into Data Science training (GBAC)



Receive an interactive training in the most used programming languages



Apply the acquired knowledge to practical real cases



Participate to session with experts in the data management industry



Become the link between the data and the business



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In-field experience

Access the network's Corporate Partners



Meet our Corporate Partners through QTEM exclusive activities



In house classes/visits



Job Fairs & academic events



QTEM Data Challenge



Company in the Classroom



Conferences



Online webinars



Job offers

Our Partners →





Learn by doing, the quantitative internship

- ✓ 6-8 weeks internship
- ✓ Quantitative focus
- ✓ Home or abroad
- ✓ At a QTEM Corporate Partner or any other company / institution



Kim Heijlighen
Tilburg University
QTEM 2019 alumna

“

My internship at EY was the ideal opportunity to get firsthand experience in the consulting field. Not only did I obtain useful knowledge and experience academically and professionally but was also an amazing social experience

”



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Represent Student's
Vision in the QTEM



TEM

Quantitative Techniques for Economics & Management
Masters Network

Educate tomorrow
develop leaders

Discover the world



Up to two semesters abroad at QTEM Academic Partners



More than 50% of QTEM Academic Partners are Triple-Crown accredited

Triple-Crown accreditation





Level up your soft skills (GBAC)

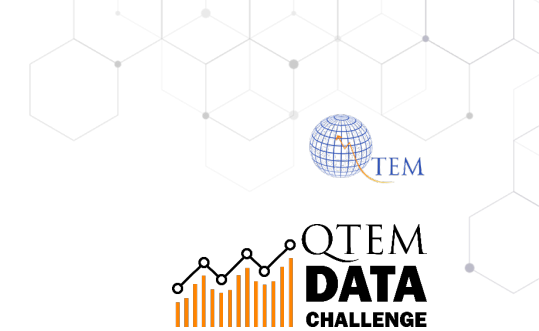
Stand out in today's work environment

Practice new methodologies and techniques on real-life cases

Topics covered during interactive sessions

- Multicultural management
- Data storytelling
- Effective feedback
- Presentations design and pitch





Compete in the QTEM Data Challenge (GBAC)

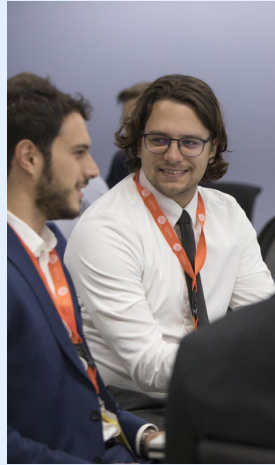
An applied data-driven consultancy project

International groups of 3-4 QTEM students supported by international coaches/experts from Corporate and Academic worlds

Interact with the Company providing the real data set

Apply your analytical skills to solve a complex business case

Deliver your Conclusions to a jury of academic and corporate experts





Summary of the different parts of the QTEM program





The QTEM experience continues after your graduation

Be part of a growing international community





Stay tuned with your QTEMpeers

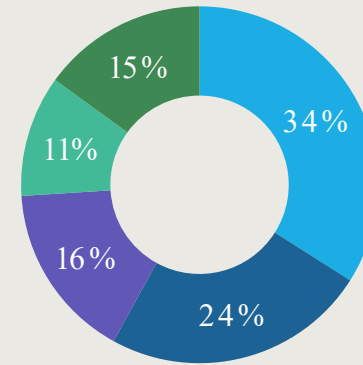
Great networking opportunities with alumni in various industries & sectors worldwide

 92%

Alumni highly recommend QTEM program to their peers

Alumni Survey 2023

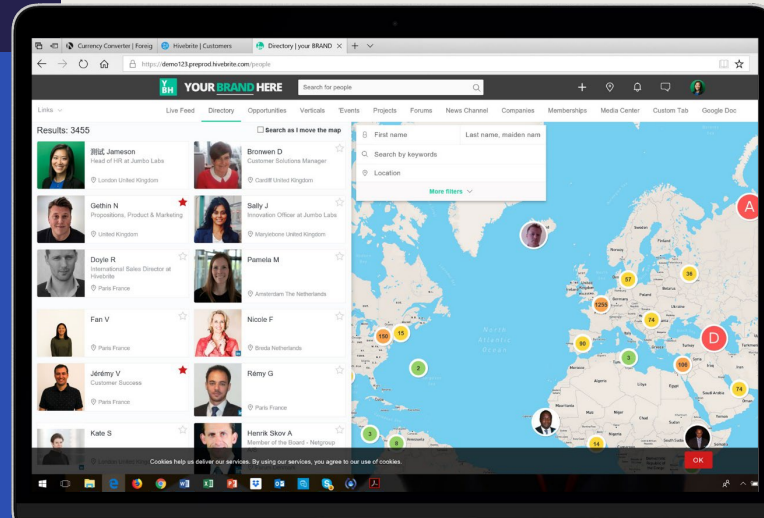
Where our QTEM alumni are working



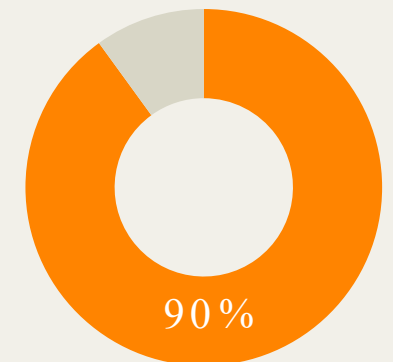
- Consulting
- Financial Services & Banking
- Consumer Goods & Services
- Information Technology & Services
- Other

Use the alumni community platform to:

- Find/Post job/internship
- Create/Attend events
- Network



Alumni who found a job within 3 months of graduation





How to join the Network?





The selection process at TUM School of Management



TUM School of Management
Technical University of Munich

15 spots
per academic year available

The following Master's program
give access to QTEM

Earn the QTEM certificate
together with the Master's
Degree from TUM in:

- Master in Management & Technology



GMAT is a compulsory
entry pre-requirement:

≥ 605
(GMAT Focus Edition)

student meets
the common
acceptance pre-
requisite for QTEM

$555 < 595$
(GMAT Focus Edition)

student can be
considered for
QTEM if s/he has
an exceptional file



Overall selection criteria at TUM:

- Academic excellence
- English proficiency
- Quantitative proficiency
- International experience
- Professional/ extra-curricular experience
- Interview with the QTEM Dean



Your QTEM experience in your MMT

Minimum 45 ECTS quantitative credits in MMT					
	1st semester (30 ECTS)	2 nd semester (30 ECTS)	3rd semester (30 ECTS)	4th semester (30 ECTS)	Possible 5th semester
Courses at home + exchanges	Home	Home	Exchange	Home	(e.g. Participation in a 2 nd exchange semester)
	Electives / Specialization in Management (15 ECTS)	Electives / Specialization in Management (15 ECTS)	Electives or Specialization in Management (30 ECTS)	Master's Thesis (30 ECTS)	
	Specialization in Technology (15 ECTS)	Specialization in Technology (15 ECTS)			
	+				
GBAC	2 trainings + QDC	OR 2 trainings + QDC	OR 2 trainings + QDC	OR 2 trainings + QDC	
	*Students can decide in which term to carry out the 2 online trainings followed by the QTEM Data challenge				
	+				
Internship	Internship			OR	Internship



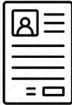

Graduation

Joining us

The application process and selection timeline

Please scan the code for further information on the application process at TUM School of Management



<p>15 May</p>	 <p>Deadline to submit your application to TUM School of Management</p> <ol style="list-style-type: none"> 1. Registration for application via Evasys: Online registration 2. Application via e-mail to qtem@mgt.tum.de <ul style="list-style-type: none"> • Bachelor Degree OR • Current Transcript of Records (for students from the Bachelor's program in Management and Technology in their last Bachelor's semester) • 5 preferences from QTEM Partner Universities (specified in "application registration" link) • A list of courses and results with quantitative contents taken at TUM School of Management (min 30 ECTS) OR • GMAT (or GRE) 650 and higher (taken within the last 3 years) / GMAT Focus Edition 605 or higher • Abitur / Baccalaureate / A level certificate • English certificate (C1 or higher) or equivalent • Letter of motivation in English (max. 1½ pages) • CV • Matriculation certificate
<p>May/June</p>	 <p>Interviews of QTEM applicants</p>
<p>30 June</p>	<p>Final list of QTEM candidates is confirmed by QTEM Central</p>
<p>20 September</p>	<p>Deadline to submit GMAT/GRE test score to QTEM Central</p>
<p>January 25</p>	<p>The (first) QTEM exchanges begin...</p>

Joining us

Decision making support



<https://www.qtem.org/>



<https://qtem.org/en/academic-partners/academic-calendar>

Academic calendars

Academic partners

26 selected

● Fall semester
 ● Spring semester
 ● Summer semester

	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.
AU - MONASH												
BE - SBS-EM												
CAN - HEC M.												
CH - HEC L												
CN - XIAMEN												
CN - ZH-BJIANG												
CN - HIT												
CN - IBSS												
DE - TUM												
DE - Goethe												
ES - BSM												
FI - HANKEN												
FR - EDHEC												



<https://qtem.org/en/studecoursesnts/>

Keywords

Type your keywords here

QTEM Module or Sub-module

Select module or sub-module...

University

Select university...

Semester

Choose semester...

Academic Year

2023-2024

SEARCH COURSES

RULE FOR COURSE SELECTION

COURSE QUANT RATING

Joining us

TUM School of Management QTEM contacts



Prof. Rainer KOLISCH
QTEM Dean



Ute HELFERS
International Office
Team Lead



Josephina BUHR
International Office
Program Coordinator



qtem@mgt.tum.de
+49 (89) 289 25028

Joining us

How to get in contact with the TUM QTEM coordinators

TUM School of Management - International Office 3rd floor
(room 3550) student hub

Contact persons:

Program Coordinator: Ms. Josephina BUHR

Program Manager: Ms. Ute HELFERS

Office hours: Wednesday 10 am – 12 noon

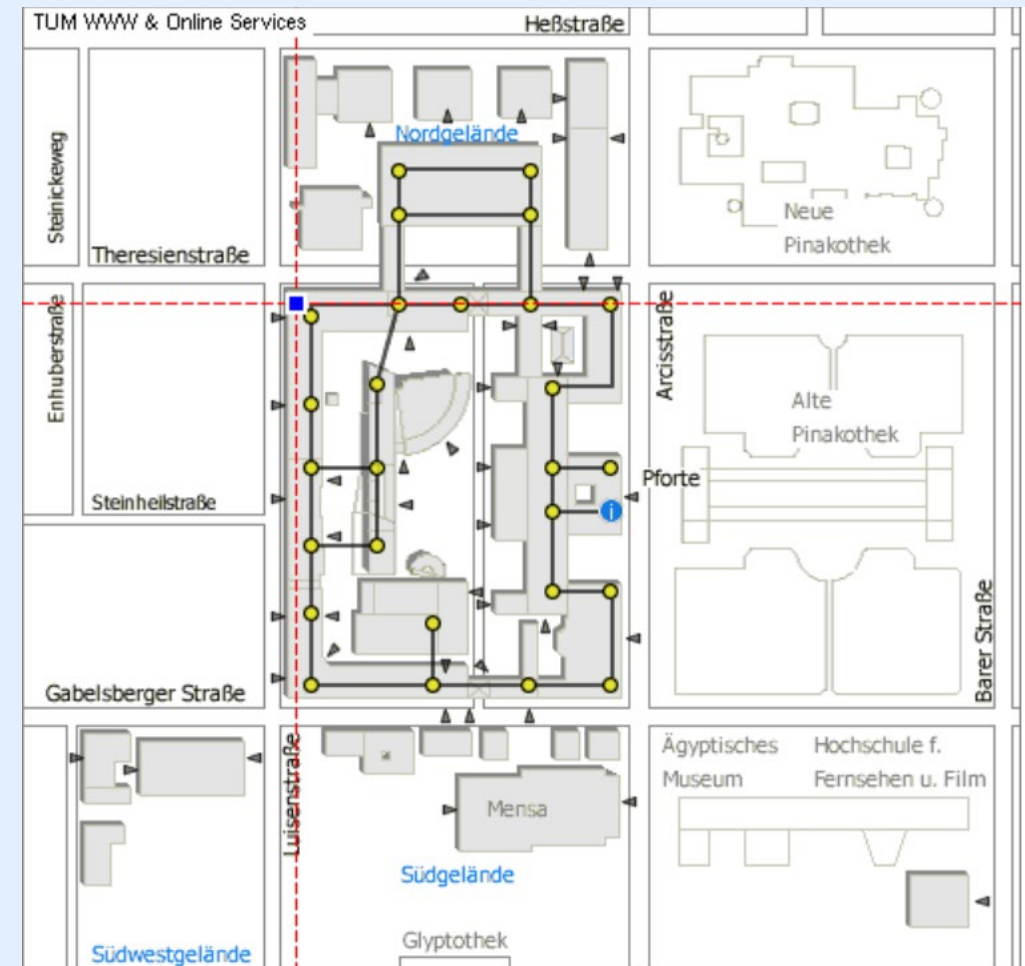
Email: qtem@mgt.tum.de

Telephone: 089 289 25028

Website:

<https://www.mgt.tum.de/programs/international-exchange-programs/going-abroad/qtem>

<https://www.qtem.org>



Joining us

Testimonial

Verim Ajdini





QTEM
Student Association

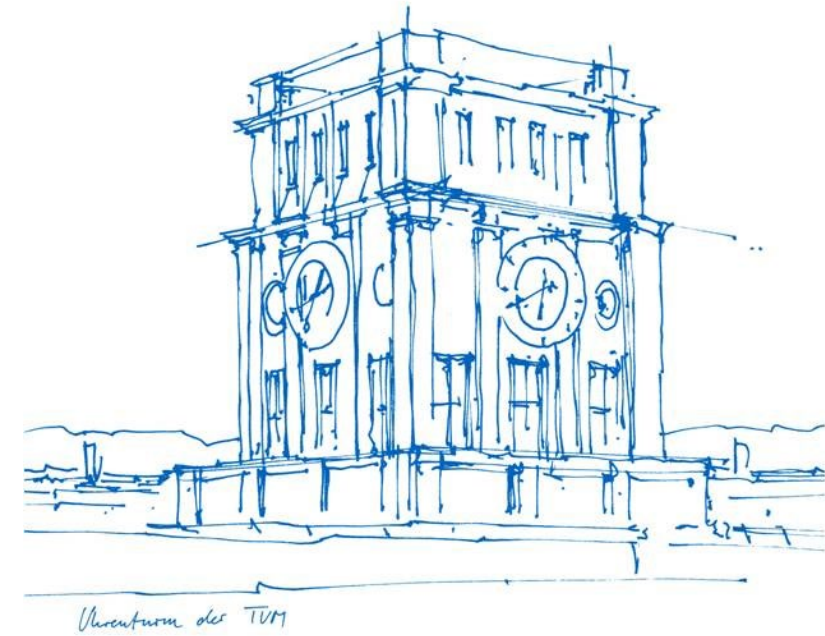
Munich Club



President
Aziz Boushih



Vice-President
Marc Holz



QTEM Annual Event and Graduation Ceremony In Brussels 2023



<https://youtu.be/xZP6RJubhwU>



<https://www.qtem.org/>



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Technical University of Munich



Thanks!

Join the QTEM community today

Questions?

Application Deadline: 15 May 2024!

Follow
QTEM



Appendix



Quantitative
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Members of QTEM Central!



Laurent Gheeraert
QTEM Managing Director

Handles the financial and legal questions (including data privacy) and supervises the team



Eleonor de Garcia de la Vega
QTEM Academic & Student Affairs Manager

Handles daily operations of the network and organizes and attends the Board, General Assembly and other meetings



Manuel Brown
QTEM Corporate & Alumni Relations Manager

Organizes the alumni network and handles the relations with the Corporate Partners



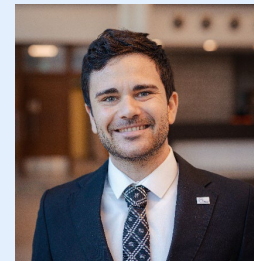
Catherine Mabansag
QTEM Administrative & Student Affairs Coordinator

Handles daily management of students of the network



Laura Bailey
QTEM Communications Manager

Manages and develops both internal and external QTEM communication



Vittorio Maio
QTEM Analytics Training Manager

Takes care of the QTEM trainings and the QTEM Data Challenge

How many quantitative courses to be taken?

All QTEM students should successfully complete a given number of quantitative courses during their QTEM Master's program:

- A minimum of **50%** of the credits of the Master's program overall* should consist of successfully completed quantitative courses
- A minimum of **22 QTEM credits** of quantitative courses on average per QTEM exchange should be successfully completed

All QTEM students should successfully complete at least one QTEM Module.

- A QTEM Module is a recognition of a topic/functional specialization awarded to a QTEM student upon successful completion of a minimum of 20 QTEM credits of courses in the same QTEM Module, during the QTEM Master's program.

* Including credits taken at home and during all QTEM exchanges but excluding credits from the Master's thesis, if applicable.