



ARTIFICIAL INTELLIGENCE SOLUTIONS FOR HIGHER EDUCATION

www.analytik.us.com

Read More





What differentiates today's thriving educational institutions?

Data >>>



About us & Presence

edlatam alliance
relearning together

EdTech Finalist
**ENDEAVOR
SELECTION**

Holon IQ
2020 LATAM EDTECH
100
www.holoniq.com

Global EdTech Startups Awards
LATAM WINNER

Microsoft
Gold Partner

D2L
DESIRE2LEARN

We help educational institutions become more competitive by solving specific problems through Advanced Analytics.

Our products empower our customers by integrating Machine Learning and AI techniques for predictive, prescriptive and cognitive analytics.


We have offices in the USA & Mexico and through partners in Colombia, Panamá, Peru, Chile, Brazil, Ecuador, Sweden, Guatemala, Belgium and Spain. Customers in +15 countries.

Specialized team of Mathematicians and Data Engineers.



Education References





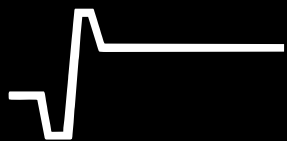
Our Vision

Through Advanced Analytics, Machine Learning and AI Solutions, we empower educational institutions.



Student Portrait

An AI Personal Learning Analytics Solution



Imagine...

- If you could **personally** support vulnerable students.
- If you could send **personalized nudges** & messages to your students.
 - To improve **satisfaction**.
 - To support **academic performance**.
 - To increase **retention**.
- If you could use **different channels** to engage students.



Portrait



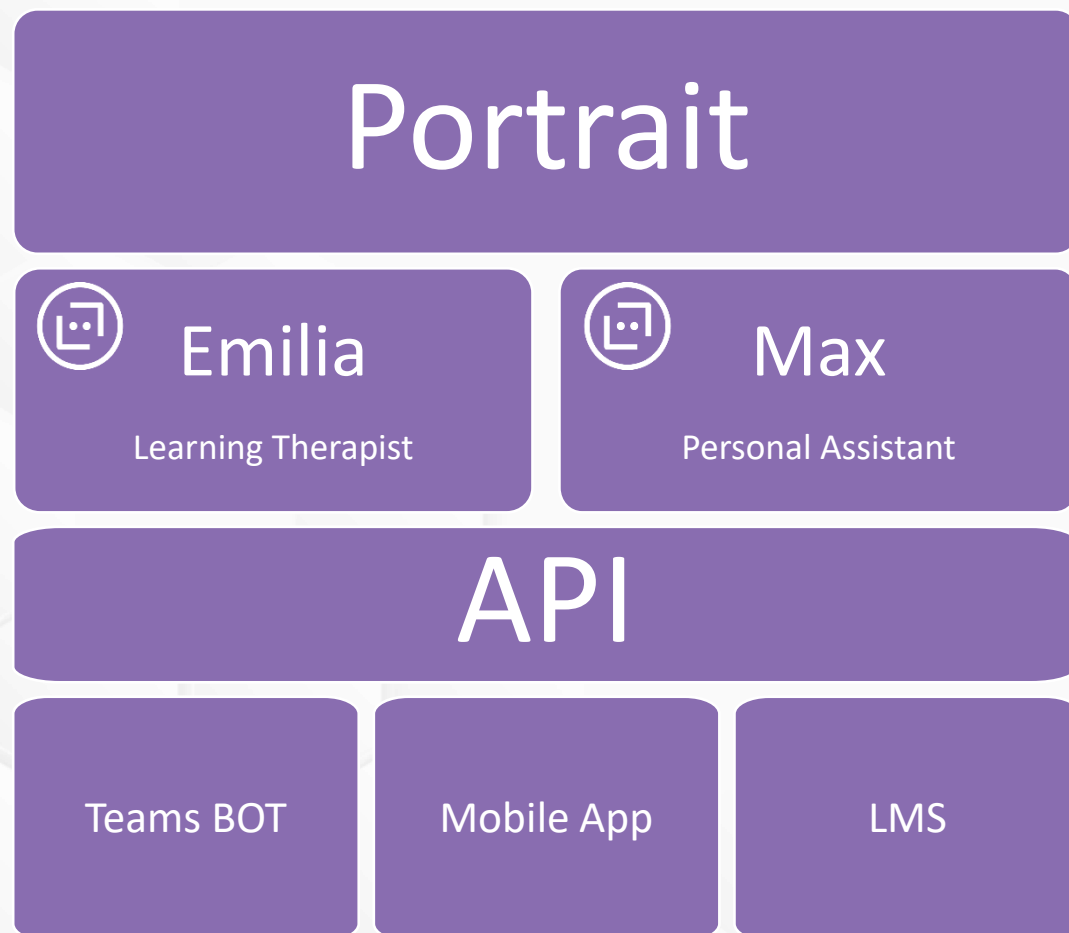
An AI Learning & Support Solution.

Identifies key student variables and characteristics, simplifying personalized interventions and follow ups through nudges to maximize student success.



Portrait Components

An AI Personal Learning Analytics Solution



A characterization solution.

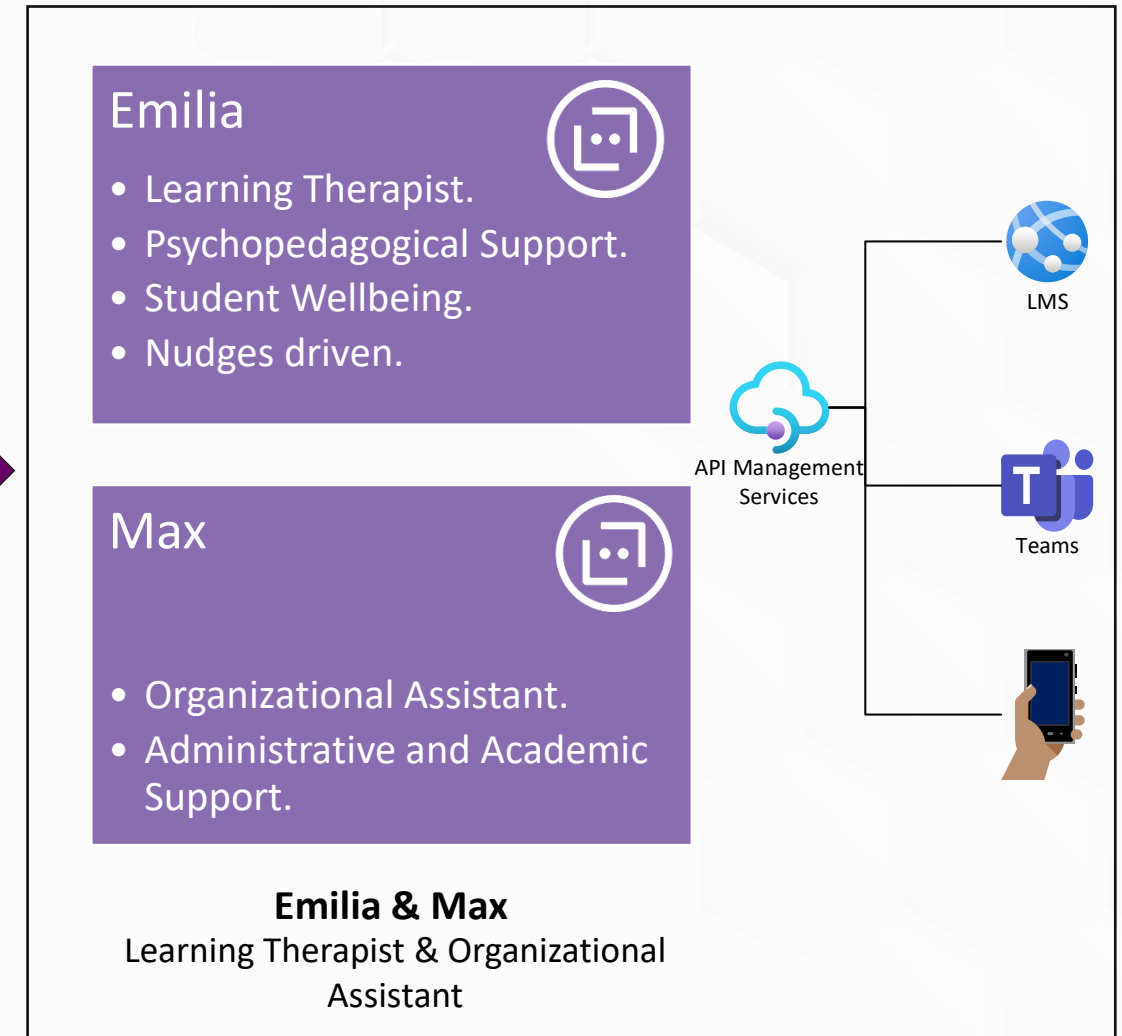
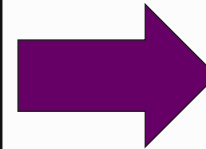
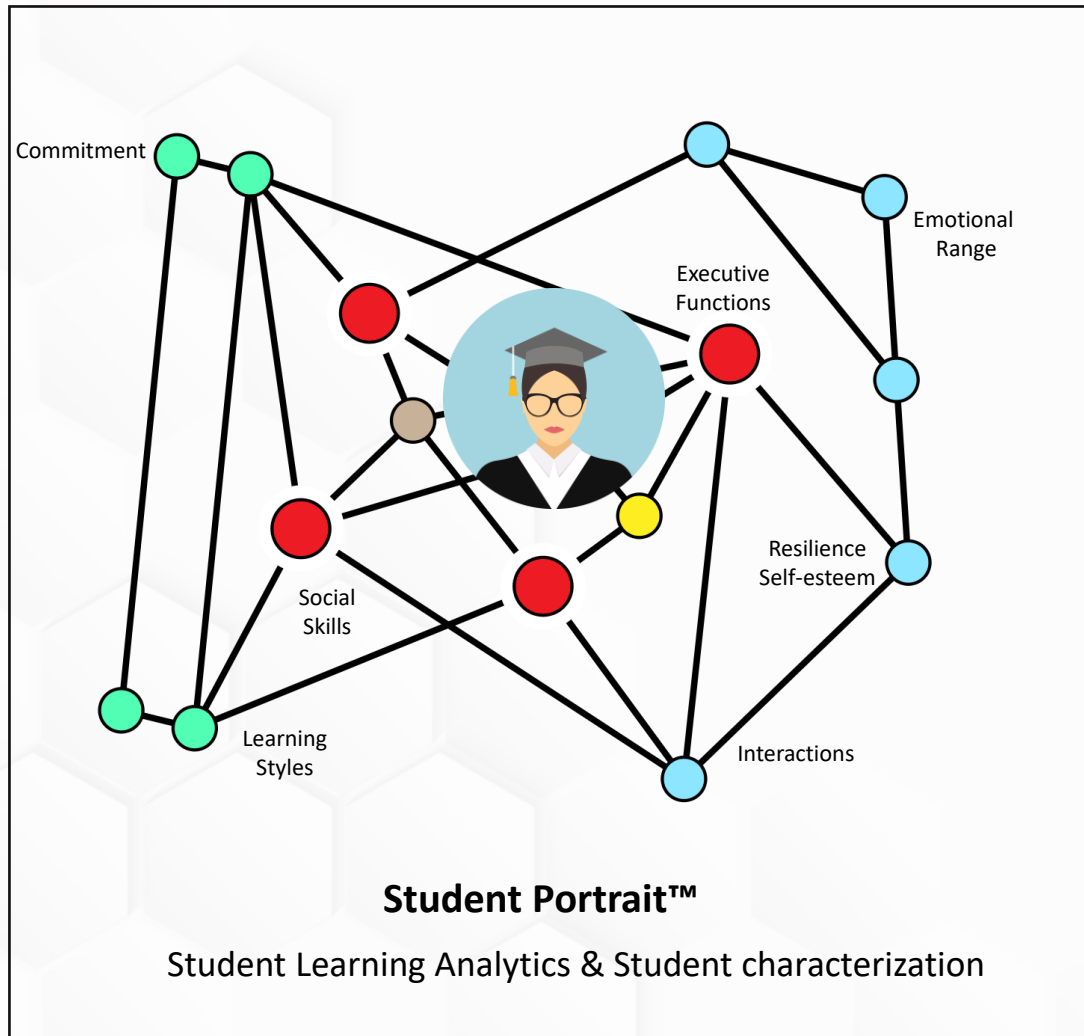
Exploited through a Learning Therapist
and a Personal Assistant.

That generate a personal set of messages
exchanged with students through
different channels plugged through an
API.



Portrait Flow

An AI Personal Learning Analytics Solution





Portrait - Expected Impact

01

Impact on
NPS.

02

Academic
Performance.

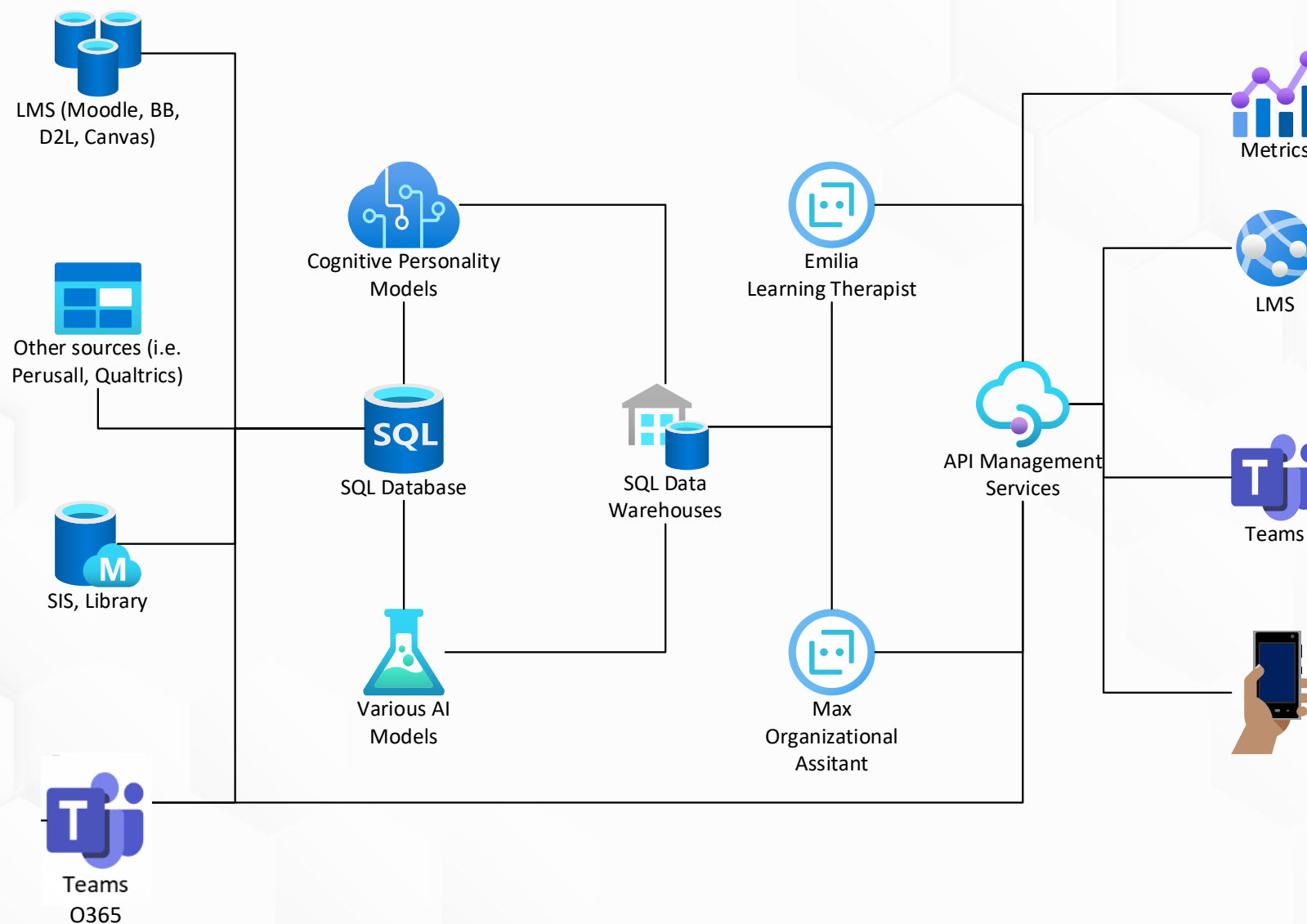
03

Student
Retention.

04

Institution
positioning on
Innovation.

Portrait – Flow Diagram

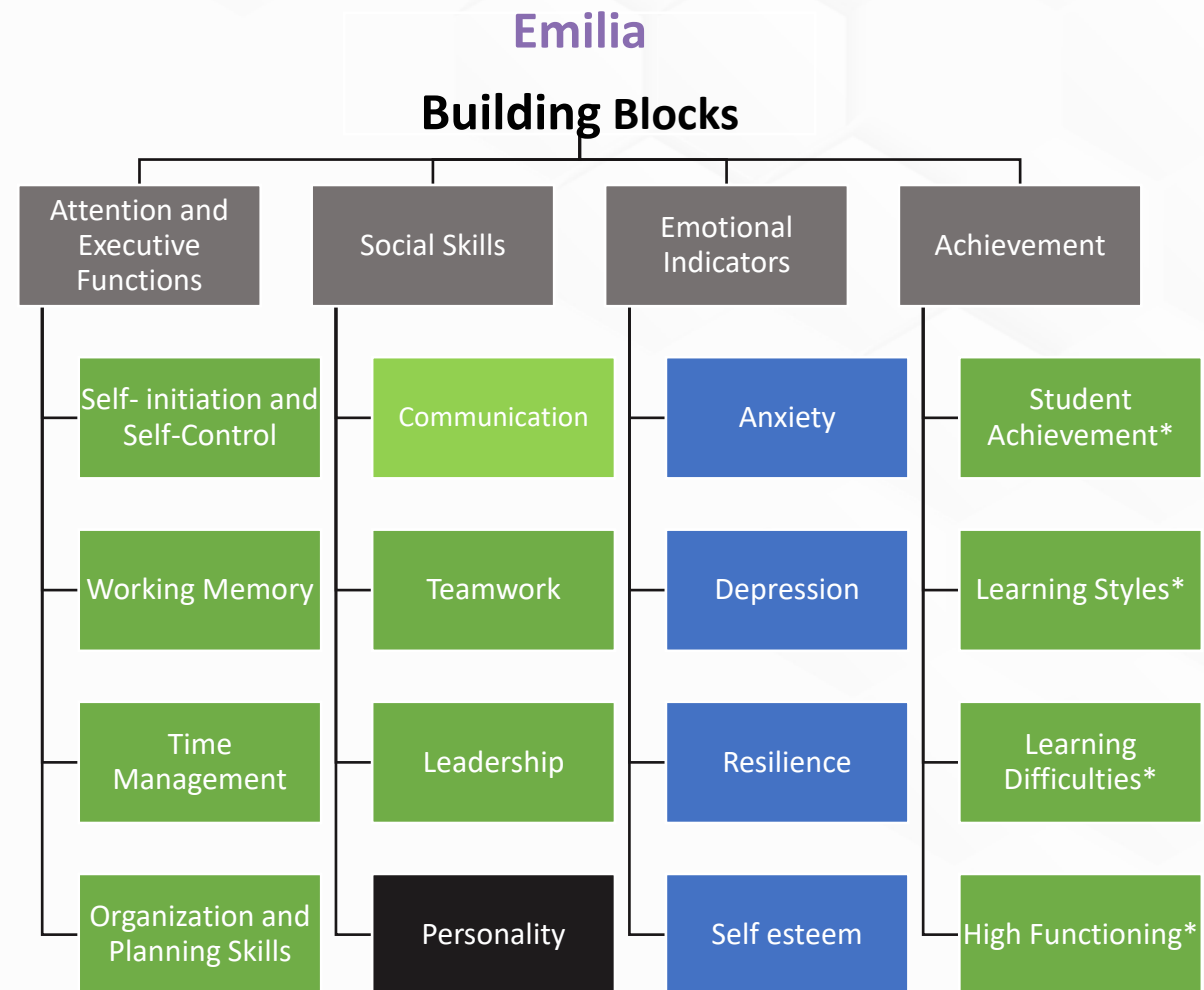


Meet Emilia

A virtual learning therapist that provides psycho-pedagogical support through nudges and concise messages in order to ensure students wellbeing.



Emilia - Building Blocks



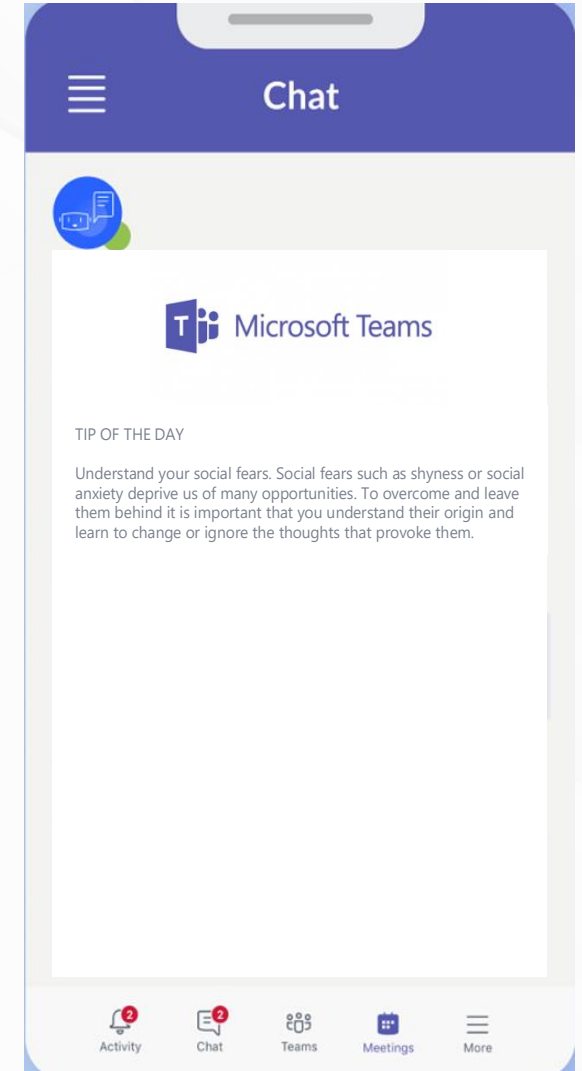
Nudge Theory

A young elephant is standing on a rocky bank next to a river. The elephant is facing left, with its trunk pointing down towards the water. The background shows a dense forest with green foliage. The overall scene is dimly lit, with a dark, moody atmosphere. The text 'Nudge Theory' is overlaid on the left side of the image in a white, sans-serif font.

- Nudge is a concept in behavioral economics, political theory, and behavioral sciences which proposes positive reinforcement and indirect suggestions as ways to influence the behavior and decision making of groups or individuals.

Emilia – Nudges

- Messages that seek to guide behavior by incentivizing the self-awareness and rationality.
- Simple, attractive, engaging and at the right time.





Student Nudges - Examples

Breathing plays an important role in promoting calm. Although it seems simple and ineffective, it is very helpful. Control your breathing by making it deeper and slower. Inhale and exhale calmly and feel the air flow in and out of your lungs. Practice this exercise before any time you feel anxious.

Every night before going to sleep, use the notifications and calendar section of your cell phone to write down and remember what you have to have prepared for the next day's classes (subjects, materials, projects, etc.)

Did you know that your predominant learning style is converging style? This means that you are a very practical person... you need to think and do things to understand them better. When you are studying, look for concept's applications to particular situations. Ask yourself, how does this help me to solve a real problem?

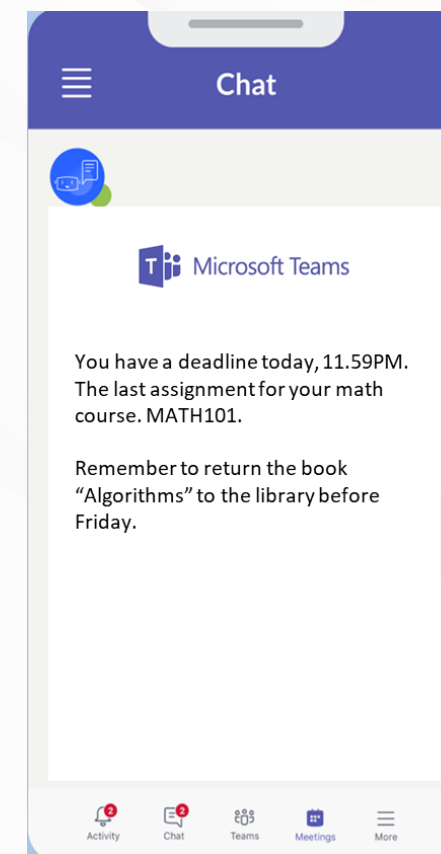
Remember to always monitor if you are understanding what you read. Stop in each paragraph and ask yourself: who and what are they talking about? It is horrible to finish the page and realize that you have to start over because you did not understand anything.

Meet Max

An Organizational Assistant that provides administrative and academic personalized support to students.

Ⓜ Max – How does it work?

Max integrates relevant operational information that support students on executive functions such as time management. Information comes from mostly from the courses stored on the LMS.



Portrait



Emilia

Learning Therapist



Max

Personal Assistant

API

Teams BOT

Mobile App

LMS

- Full student portrait on emotions, attention, executive functions, achievement and social skills.
- Simplifies personalized interventions and follow ups.
- Uses nudges to maximize student success.
- Promotes metacognition.



DEMO

Student Portrait

Term

- ☐ 2019-01
- ☐ 2019-02
- ☐ 2020-01
- ☐ 2020-02

Career

- ☒ Arquitectura y Diseño
 - ☐ Arquitectura
 - ☐ Diseño gráfico
 - ☐ Diseño industrial
- ☐ Ciencias
 - ☐ Biología
 - ☐ Física
 - ☐ Matemáticas
- ☐ Ciencias de la salud
- ☐ Contaduría y Administración
- ☐ Derecho
- ☐ Ingeniería
 - ☐ Ing. Aeroespacial
 - ☐ Ing. Civil
 - ☐ Ing. en Sistemas
 - ☐ Ing. Industrial
 - ☐ Ing. Mecánica
 - ☐ Ing. Mecatrónica



Student Name

ANDREA VIVEROS CISNEROS

Courses

Matemáticas Para Ciencias y Artes
Para el Diseño
Manejo de Imágenes Matriciales
Diseño Por Computadora
Calidad y Productividad en el Diseño

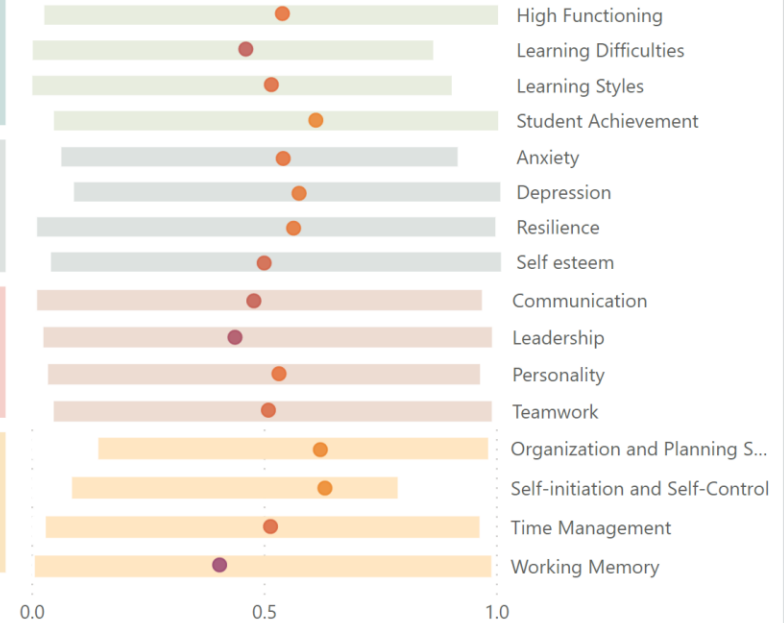
Span between better & worse, and average historical scores

ACHIEVEMENT
0.50

EMOTIONAL INDICATORS
0.51

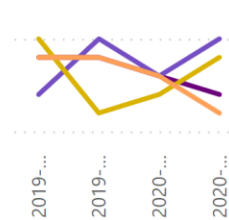
SOCIAL SKILLS
0.46

ATTENTION & EXECUTIVE
FUNCTIONS
0.51

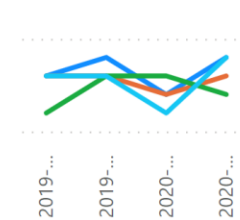


Sent nudges per Indicators

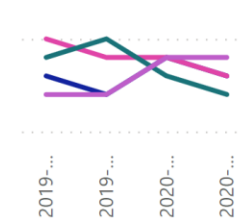
Achievement



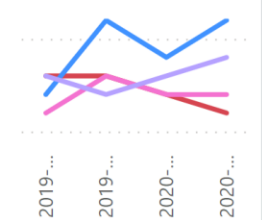
Emotional Indicators



Social Skills



Attention and Execu...



Courses Portrait

Course

All

Term

- ☐ 2019-01
☐ 2019-02
☐ 2020-01
☒ 2020-02

Career

- ☐ Arquitectura y Diseño
☐ Arquitectura
☐ Diseño gráfico
☐ Diseño industrial
☐ Ciencias
☐ Biología
☐ Física
☐ Matemáticas
☐ Ciencias de la salud
☐ Contaduría y Administración
☐ Derecho
☒ Ingeniería
☐ Ing. Aeroespacial
☐ Ing. Civil
☒ Ing. en Sistemas
☐ Ing. Industrial
☐ Ing. Mecánica
☐ Ing. Mecatrónica

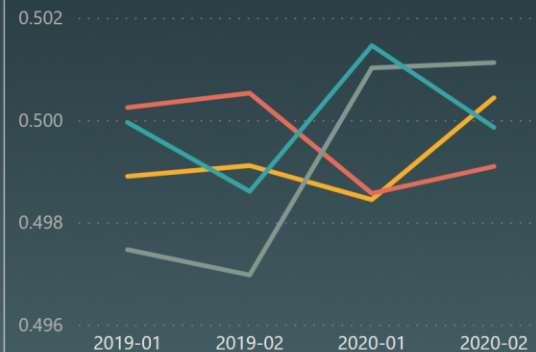
ACHIEVEMENT
0.50

SOCIAL SKILLS
0.50

EMOTIONAL INDICATORS
0.50

ATTENTION & EXECUTIVE FUNCTIONS
0.50

Overall Blocks Values Evolution



Top Schools

Ciencias de la salud
 Ciencias
 Arquitectura y Diseño
 Derecho
 Contaduría y Administración
 Ingeniería

Attention and Executive Functions	Social Skills	Emotional Indicators	Achievement
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50

Top Courses

Fundamentos de Robótica
 Cinemática y Dinámica
 Fundamentos de Física
 Matemáticas Avanzadas
 Medio Ambiente Aeroespacial
 Diseño Geométrico de Carreteras y Pavimentos
 Diseño Sismoresistente
 Obras Hidráulicas
 Planeación y Control de Obra
 Mecánica de Materiales Aplicada

0.50	0.50	0.50	0.51
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.51
0.50	0.50	0.50	0.51
0.50	0.50	0.50	0.51
0.50	0.50	0.50	0.51
0.50	0.50	0.50	0.51

Top Teachers

BLANCA MILLAN LASTRA
 EDUARDO ESTEBAN BÁEZ SOTO
 MARÍA DEL CARMEN FIELD RIVERA
 ANTONIO RAFAEL GUITART CEREJIDO
 LAURA SUSANA HERRERA OSORNIO
 RAFAEL ANTONIO SALAZAR INFANTE
 ENRIQUETA DE LA ROSA CÁRDENAS
 ANA LUISA BORJA ALMEDA
 JESÚS ALFONSO LLORENTE RENAUD
 JUAN LUIS RUBIO ESQUIVEL
 MOISÉS OCAMPO DELGADO

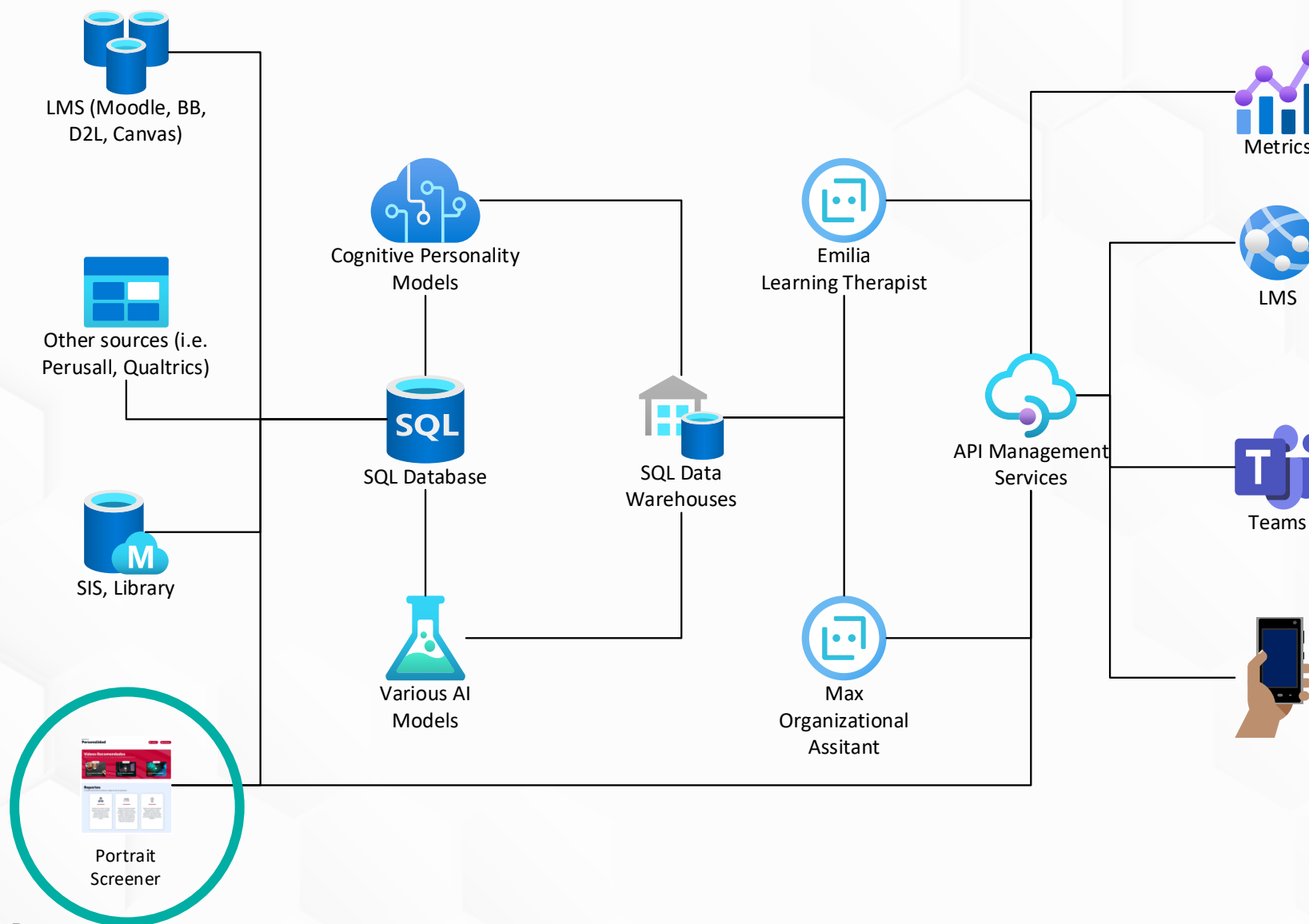
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.51
0.51	0.50	0.50	0.50
0.51	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50
0.50	0.50	0.50	0.50



Student Portrait Screener

An AI Personal Learning Analytics Solution

Portrait – Flow Diagram



Videos Recomendados

Videos seleccionados para puedas comenzar a trabajar en las oportunidades identificas en ti

+ 1,000 Exp

Tips para Mejorar tus Aptitudes
5 Minutos

+ 1,000 Exp

Tips para Mejorar tus Aptitudes
5 Minutos

+ 1,000 Exp

Reportes

Te ayudamos potencializar tus fortalezas y trabajar tus áreas de oportunidad.



Juan Perez
Nivel 25

5,000/10,000 Exp Puntos

Cambiar Contraseña

Tus logros



Perfil Completo
1,000 EXP | FEB 2021



Perfil Completo
1,000 EXP | FEB 2021



Perfil Completo
1,000 EXP | FEB 2021

Herramientas

Te ayudamos potencializar tus fortalezas y trabajar tus áreas de oportunidad.

+ 1,000 Exp

TEST DE
Aptitudes
15-20 Minutos

+ 1,000 Exp

TEST DE
Caracterización
15-20 Minutos

+ 1,000 Exp

TEST DE
Personalidad
15-20 Minutos

NO INICIADO

Muy bien Juan,
¡Vas por excelente camino!

Nivel
25

5,000/10,000 Exp Puntos

Tus ultimos logros



Perfil Completo
1,000 EXP | FEB 2021



Modulo 1 Completo
1,000 EXP | FEB 2021



Compartir con Amigos
1,000 EXP | ENE 2021

To exit full screen, swipe down from top of screen or press F11



Bienvenido

Por favor ingresa tus credenciales para ingresar

Nombre de Usuario

tucorreo@unab.cl

Contraseña

.....

☐ Recordar

[¿Olvidaste tu contraseña?](#)

Ingresar

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Espere algunos meses/años antes de entrar a la universidad (por favor indicarnos el numero de meses que esperaste: Ejemplo: 6 meses, 12 meses, 18 meses)



promueve la competencia entre estudiantes

← Anterior

Siguiente →

analytikus

It's Simple

By combining Machine Learning, AI, Cognitive Science, and experience in higher education, we provide the solutions that make students and institutions successful.





Thank you.

We look forward to further
discussing this presentation with
you.

Miguel Molina-Coscolluela



mmolina@analytikus.com



in/molinacoscolluela



@mikelaingeru