

Brazil Education Technology Market

L.E.K. Perspectives

February 2023

These materials are intended to supplement a discussion with L.E.K. Consulting. These perspectives will, therefore, only be meaningful to those in attendance. The contents of the materials are confidential and subject to obligations of non-disclosure. Your attention is drawn to the full disclaimer contained in this document.



Agenda

- Stock watch Brazil v/s Other International markets
- Brazil Education Technology market Key Trends and Themes

Key observations based on the performance of the Brazil stock index vis-à-vis the global peers

Stock performance

Themes



Brazil's stock index has performed better relative to the other major global indices in the last two years. Similarly, the Brazil tech stocks have performed better relative to the global tech indices in that timeframe



Within Ed-tech, LATAM has performed better than the other markets in recent years (21-22) and within Education, the performance has been similar to other global peers



Companies with profit growth have witnessed an increase in the stock price vis-à-vis companies growing revenue at the cost of margins



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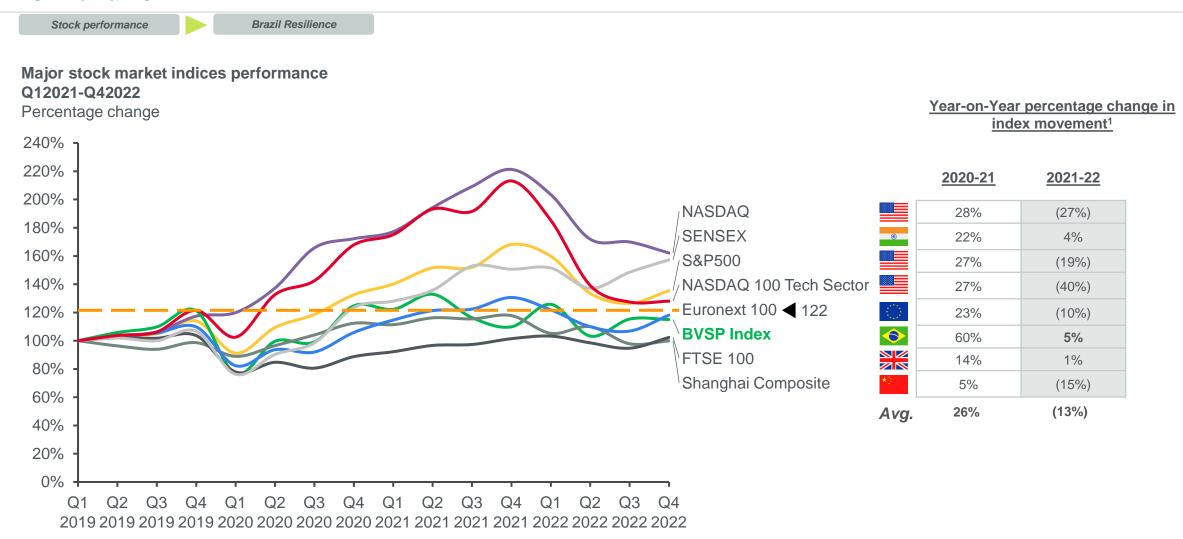
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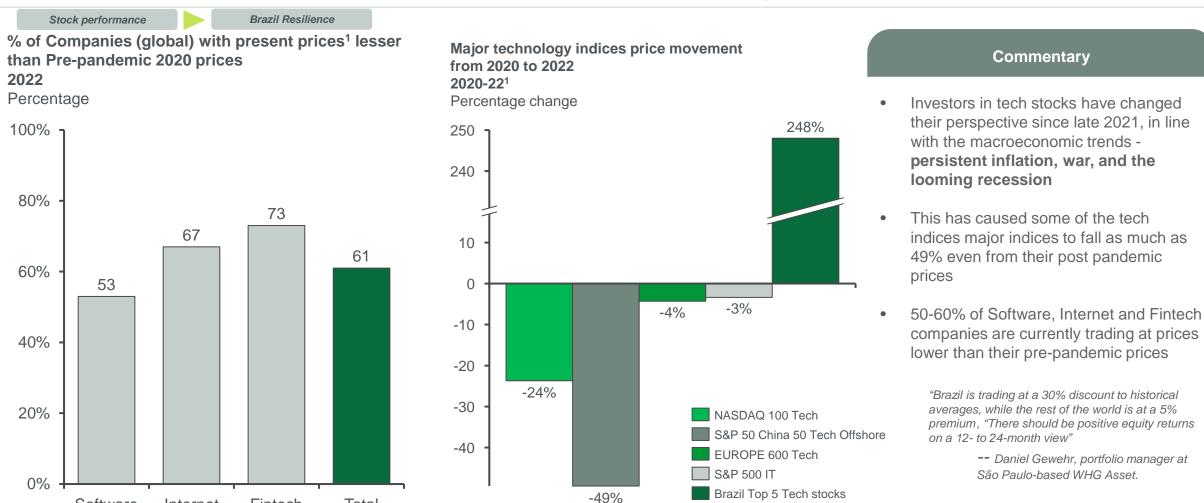
While global indices have declined in value, BVSP has demonstrated resilience especially between 2021 and 2022



Note: ¹Price movement calculated from the change in price of underlying index from the 4th quarter of more recent year over 4th quarter of previous year Source: Thomson Reuters, L.E.K. research and analysis



~2/3 of technology-driven companies are currently trading below pre-pandemic 2020 prices, with some of the major tech indices declining to as low as ~50% from their pre-pandemic prices. However the tech stocks in Brazil have demonstrated resilience relative to other major tech indices



1All prices are captured in May 2022, Year-on-Year changes in price are calculated from 4th quarter of recent year over 4th quarter of previous year. For BOVSPA (Brazil) since there isn't any tech index, a weighted average of the prices of top 5 (Multilaser, Intebras, Positivo, Allied Technology, Livetech) tech stocks (taking weights in the ratio of their free float market capitalization) has been taken Source: Sequoia Capital, L.E.K. research and analysis



Software

Fintech

Internet

Total

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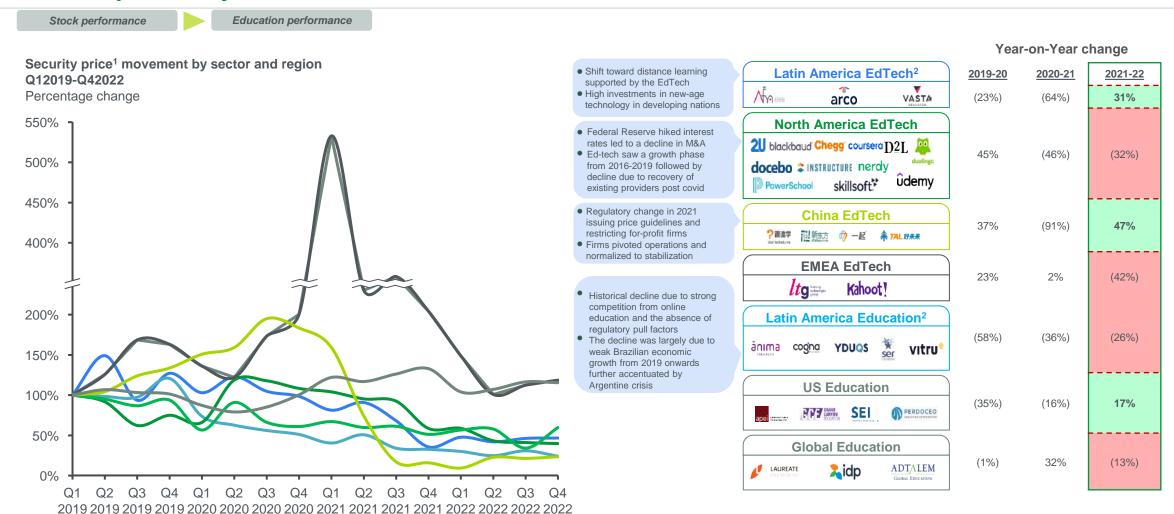


Over the past one year, Latin America and China Stock and education indices are observed to be more resilient than other geographies





While in traditional education Latin America has performed broadly in line with other global markets however in Ed-tech Latin America and China are observed to be more resilient than other geographies over the past one year



Note: ¹Stock prices were captured at the end of each quarter i.e., March, June, September, and December at closing price, ²All Latin America stocks are Brazilian-based companies Source: Thomson Reuters, L.E.K. research and analysis



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Companies with earnings growth have a continued to maintain/grow stock price – Latin America (1/2)

Stock performance Education performance

Selected education stock prices and key performance metrices 2021-22

Arco

Percentage change 150 111% 100% 100 72% 60% 50 6% 0 -1% -5% -14% -35% -50 -41% -50% -54% -57% -88% -300 -297%

Change in stock price¹ Change in net income² Stocks showing price growth/maintenance

Cogna

YDUQS

-430%

Anima

Ser Educacional



Vitru

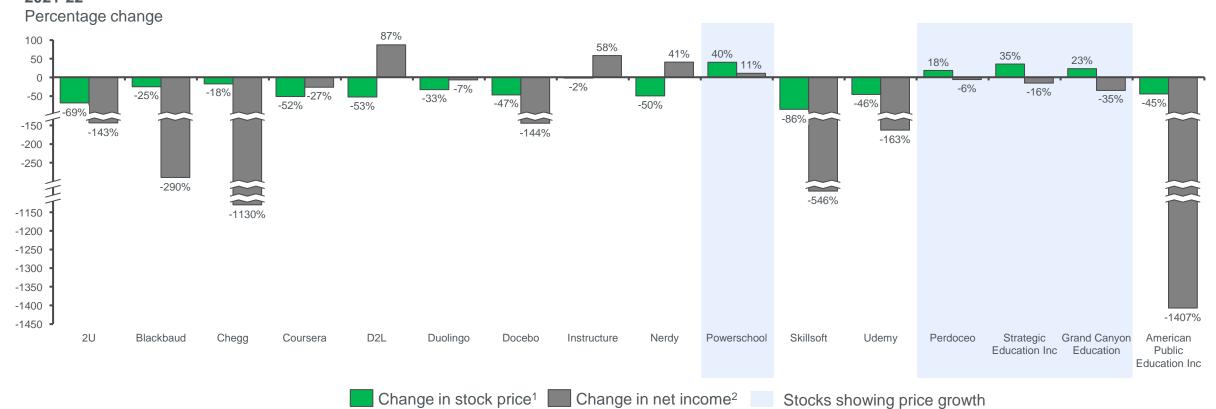
Vasta

Afya

While earnings have declined for most companies In 2022, companies with appreciation in earnings/controlled decline in earnings have performed better in terms of stock price not facing a stick depreciation relative to others— North America (2/2)

Stock performance Education performance

Selected education stock prices and key performance metrices 2021-22



Note: ¹Movement in prices are calculated from Q42021 to Q42022, ²Change in net income is calculated from total net income of Q1-Q3 of 2021 comparing to Q1-Q3 of 2022 Source: Thomson Reuters, Sequoia Capital, L.E.K. research and analysis



With rising cost of capital and reduced funding appetite, primarily, companies with demonstrated profitability along with consistent top-line growth have seen an increase in stock price

Stock performance

Outlook

Near-Term



- The focus on **near-term momentum** is shifting toward **companies which can demonstrate current profitability**
- With the rising cost of capital and downward pressure on spending power, the market is signalling a strong preference for companies who can generate cash today



Education Technology

- Education technology emerges as an exciting sector, with Brazil hosting a majority of EdTech investments in Latin America
- The Edtech companies with differentiated propositions across value chain stand out as winners in this sector



Medium-Long Term

 Going forward, companies with consistent revenue growth and disciplined financial management that translates into improving profit margin are expected to outperform the market as opposed to growing Revenue at compromised margins



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Key themes of Brazilian education technology sector

Brazil EdTech

Themes



1

Within Latin America, Brazil has seen majority of the investments in Education Technology



2

Based on the deal traction, underlying market, and demonstrated scale, six segments look attractive – Sistema/Courseware, Upskilling, Online Tutoring, LMS/SMS, Online ELT, HE Services



3

Within these six segments, there are 41 potentially attractive assets that are at different stages of growth



4

Key assets in this list have a differentiated proposition across the value chain



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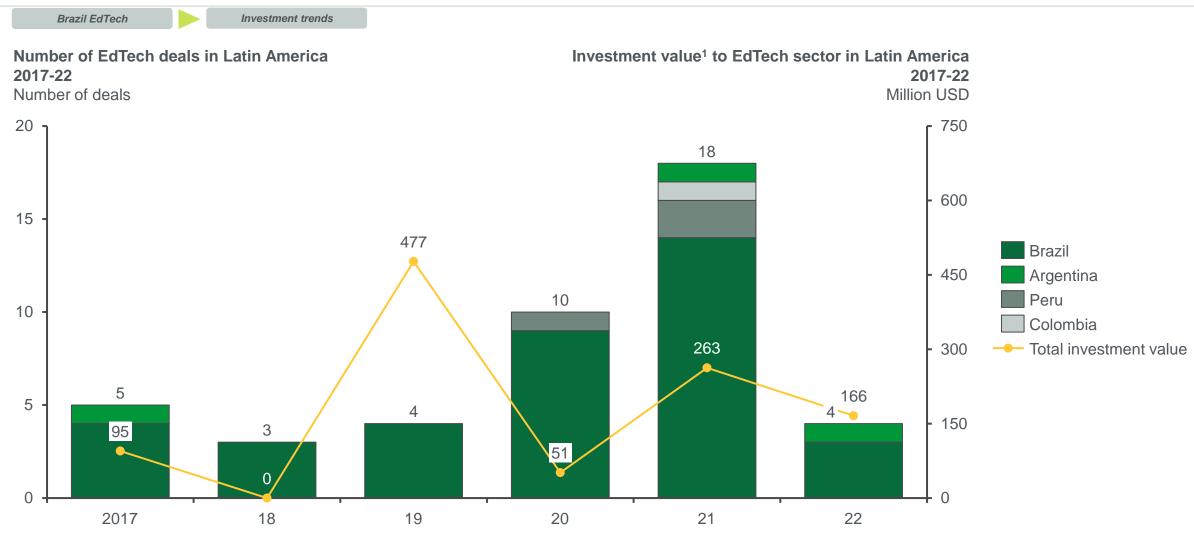


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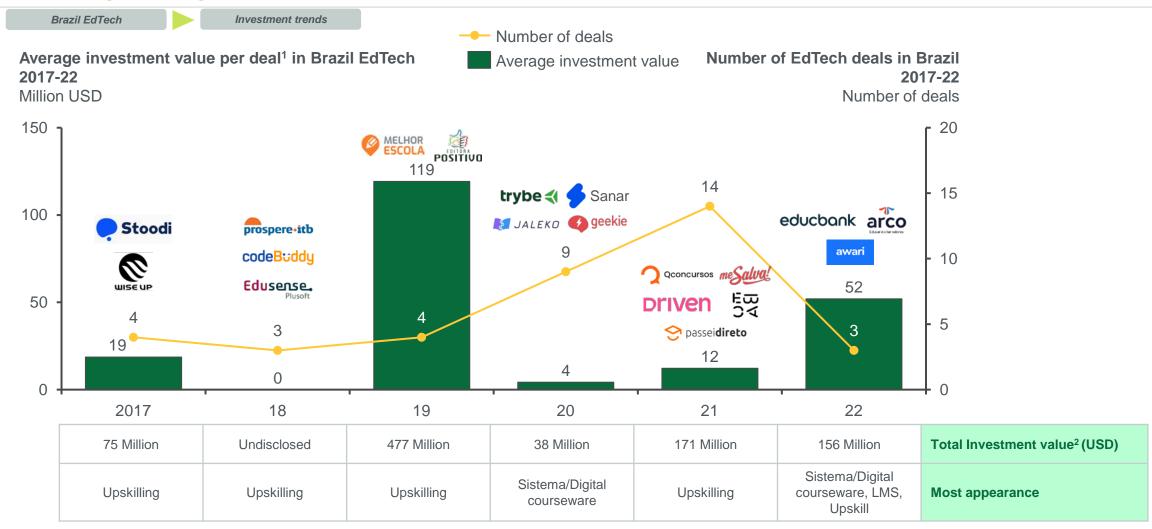
Brazil has been attracting majority of education technology investment in Latin America



Note: ¹Some of the investment deals are undisclosed in value Source: Mergermarket, L.E.K. research and analysis



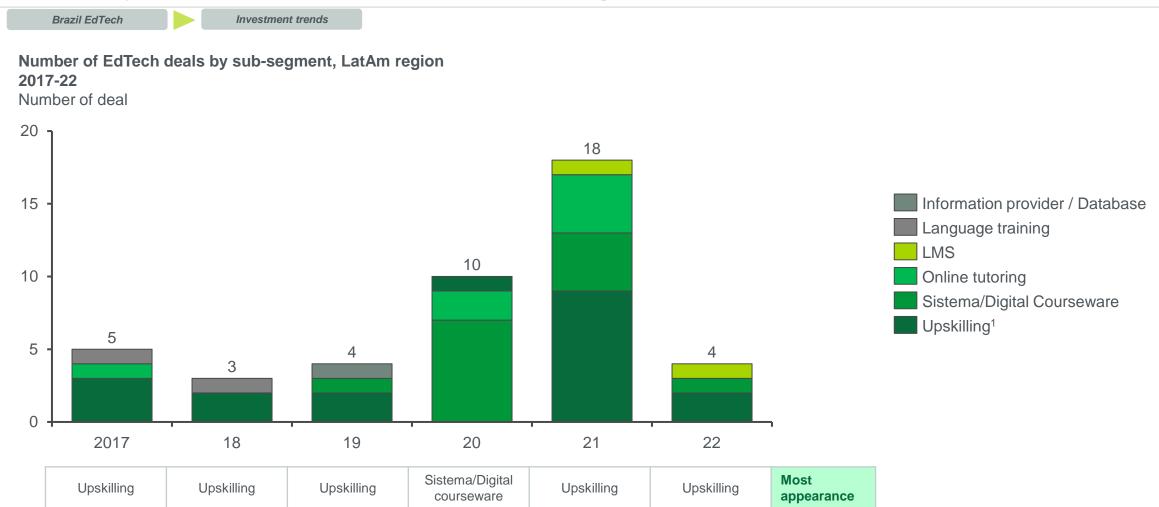
Various segments of ed-tech assets have attracted investments in Brazil, lead by major investments in upskilling and digital courseware



Note: ¹Some of investment deals are undisclosed in value, ²Considered of all disclosed deals Source: Mergermarket, L.E.K. research and analysis



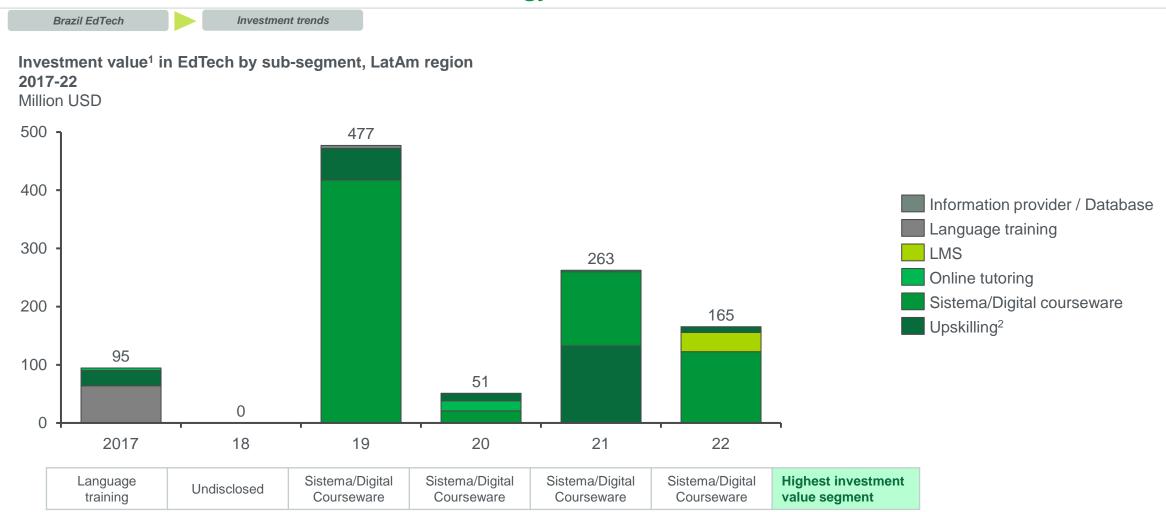
Upskilling is the leading sub-segment in terms of number of deals in Latin America from 2017-21, followed by Sistema/Courseware, and online tutoring

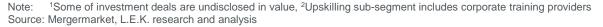


Note: ¹Upskilling sub-segment includes corporate training providers Source: Mergermarket, L.E.K. research and analysis



Sistema/Digital courseware assets received the most investment in terms of value with ~ USD 700 million in Latin America's education technology sector







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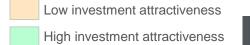
Key assets in this list have a differentiated proposition across the value chain



6 sub-segments have been identified as the most attractive areas within education technology in Brazil (based on investment attractiveness and deal activity) including courseware, upskilling, language training, LMS, online tutoring, and online HE support services

Brazil EdTech Investment trend				
Sub-Segments	Deals and inves	stment ¹	Highlight deals	Sector attractiveness
Sistema / Digital courseware	13 Deals	USD 689 Millions	General Atlantic, a PE firm, acquired ~37% of Arco worth ~USD 122 millions in 2022	
Upskilling / Corporate training	20 Deals	USD 235 Millions	Base Partners, a VC firm, acquired ~11% of Trybe, an upskill provider, in its series B funding round in 2021	
Language training	2 Deals	USD 64 Millions	Sforza Holding Group acquired 35% stake in Wise- Up, a Brazil-based language school in 2017	
Learning Management System	2 Deals	USD 33 Millions	Undisclosed information	
Online tutoring	7 Deals	USD 25 Millions	Somos Educação invested ~USD 4.5 millions in Stoodi in 2017	
Online HE support services	1 Deals	USD 1 Millions	Undisclosed information	
Information provider / Database	1 Deal	USD 5 Millions	Quero Educacao invested ~USD 5 millions in Brazilian school finder platform, Melhor Escola in 2019	Specific investment to acquired database

Note: ¹Recorded deals and investments from 2017 to 2022; some deals are not disclosed investment amount, Source: Mergermarket, L.E.K. research and analysis



Legend



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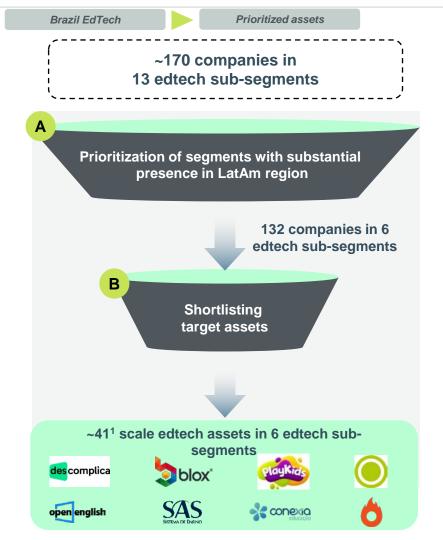


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Key assets in this list have a differentiated proposition across the value chain



There are 56 scale Ed-tech assets in LATAM across 6 of the top sub-segments







- 1. Researched impact of technology disruption on ed services/tools, and degree of irreversibility to traditional model
- 2. Prioritized assets with
 - 1. Mid to high degree of technology disruption
 - 2. And relatively permanent uplift

 Shortlisted <u>6 edtech sub-segments</u> that are expected to be <u>positively impacted by</u> <u>technology disruption and high degree of</u> <u>irreversibility proven</u> with <u>numbers of</u> <u>assets and growing operations</u>

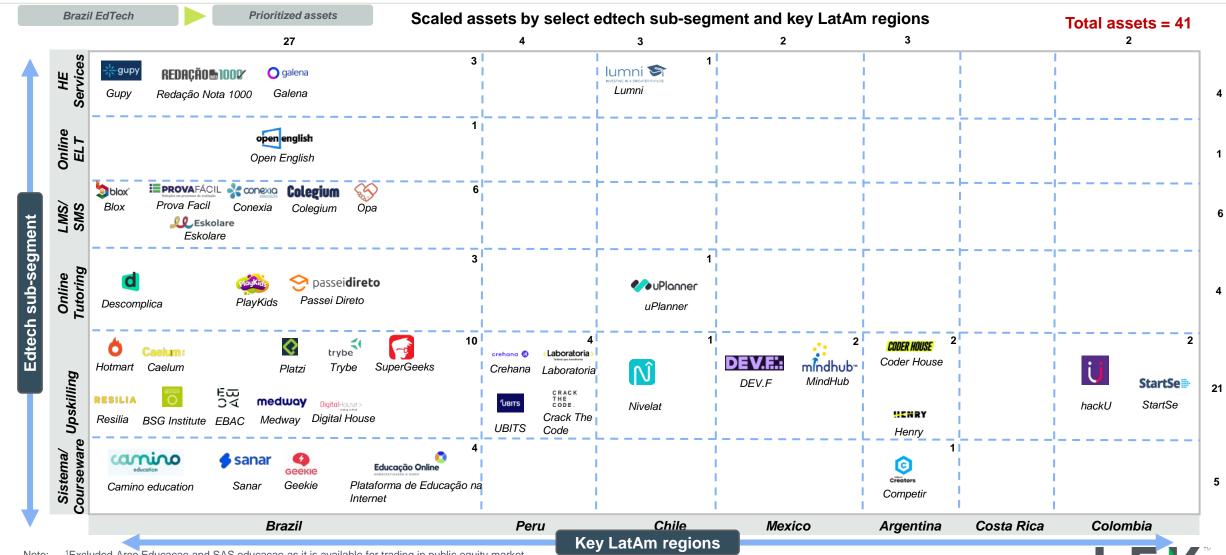
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 - 1. Identified high growth scale assets based on following factors
 - Last funding received timeline (Later than 2017) and funding received (Greater than USD5m+)
 - **2. Revenue scale** (Greater than USD5m+)

 Curated a list of <u>~41 scale edtech assets</u> <u>from 6 sub-segments</u> which are servicing key LatAm countries (*Publicly traded assets* were excluded from the final list)

Note: ¹L.E.K. Consulting shortlisted a total of 43 scale edtech assets, of which 2 are publicly-traded asset, hence they were eliminated in the final recommended list Source: Mergermarket, Crunchbase, HolonIQ, various news articles and press releases, company website, L.E.K research and analysis

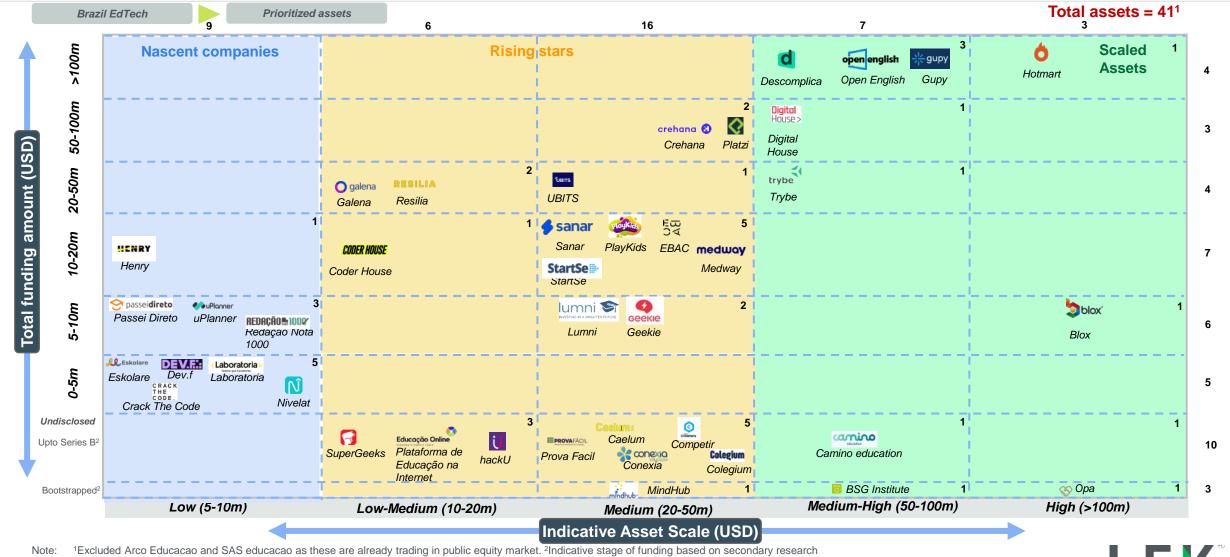


Upskilling, LMS, and Digital Courseware in Brazil have the highest number of scaled assets, while the major sub-segment in other Latin American countries is upskilling



Note: ¹Excluded Arco Educacao and SAS educacao as it is available for trading in public equity market
Source: Mergermarket, Crunchbase, HolonIQ, various news articles and press releases, company website, L.E.K research and analysis

Assets with demonstrated scale and fundraise track record can be prioritized from the identified list as Nascent companies, Rising stars and Scaled Assets



Note: ¹Excluded Arco Educacao and SAS educacao as these are already trading in public equity market. ²Indicative stage of funding based on secondary researc Source: Mergermarket, Crunchbase, HolonIQ, various news articles and press releases, company website, L.E.K research and analysis

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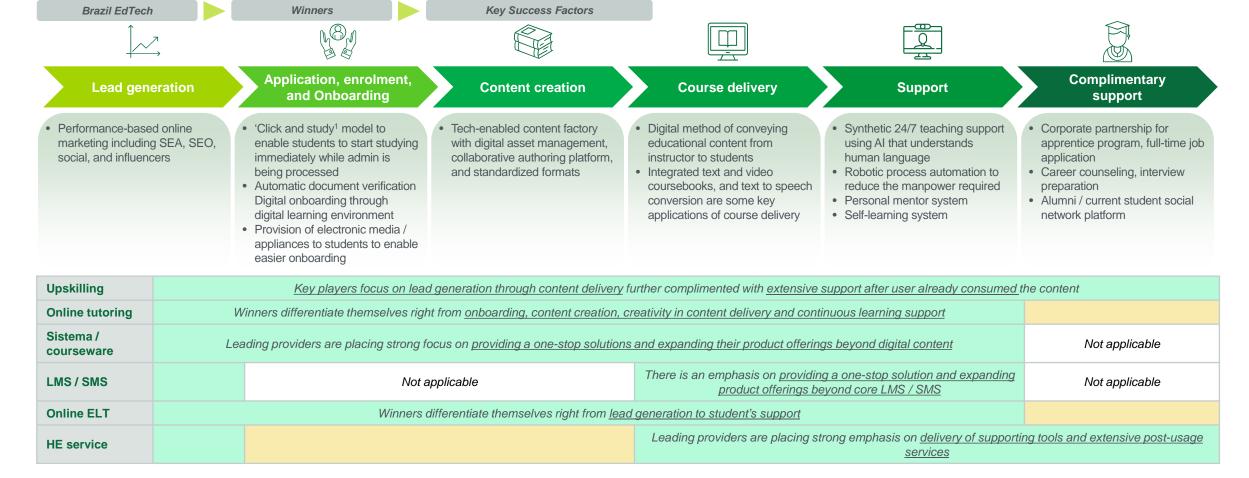


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Key assets in this list have a differentiated proposition across the value chain



Investible assets in the winner sub-segments differentiate themselves throughout the customer journey, right from lead generation to support



¹Click and study refers to the process in which students can begin their degrees without processing the whole suite of complete documentation which improves onboarding time for students Source: L.E.K. research and analysis









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Paradigm shift for growth capital: Asset watchlist – Latin America (1/4)

Brazil EdTech Prioritized assets

No 2	o. <u>2</u>	As	set	EdTech sub-segment	HQ Country	YoE	Revenue Scale (mUSD)	Last funding (Year)	Last funding (Stage)	Total Equity Funding / Market Cap (if listed) (mUSD)	Key Investors	Description
1		6	Hotmart	Upskilling	Brazil	2011	>100	2021	Series C	>100	General Atlantic and GIC	Platform to create online courses / digital business
2		S blox'	Blox	LMS/SMS	Brazil	2017	>100	2021	Seed	5-10	Google, Bossanova Investimentos	Platform for educational institution to manage student's learning performance and institution operation
3). 	85	Ора	LMS/SMS	Brazil	2016	>100	(indicatively bootstrapped)	Undisclosed	Undisclosed	Undisclosed (bootstrapped)	Platform for student, teacher, school, and parent to communicate
4		d	Descompli ca	Online tutoring	Brazil	2012	50-100	2021	Series E	>100	500 Startups, Social Capital, Amadeus Capital Partners, Valar Ventures, Valor Capital Group	Online tutoring for ENEM Brazil prep
5	5.	open englis	Open English	Online ELT	Venezuela, Florida (HQ)	2007	50-100	2022	Series D	>100	TCV, Insight Partners, Flybridge	Online English course and learning resources
6	j.	√ gupy	Gupy	HE services	Brazil	2015	50-100	2022	Series B	>100	Riverwood Capital, Soft Bank, Google, Oria Capital, Valor Capital Group, Canary	Recruitment and selection platform that uses artificial intelligence to make the process faster and more assertive
7		O	BSG Institute	Upskilling	Peru	2001	50-100	(indicatively bootstrapped)	Undisclosed	Undisclosed	Undisclosed (bootstrapped)	Programs and courses related to information technology education
8	S. C	DigitalHouse >	Digital House	Upskilling	Brazil	NA	50-100	50-100	2021	50-100	Omidyar Network, Endeavor Catalyst	Online certified courses provider
9).	trybe	Trybe	Upskilling	Brazil	NA	50-100	Series B	2021	20-50	Undisclosed	Online technical skills education provider

Source: Crunchbase, Mergermarket, L.E.K. Research & Analysis

Categorization based on funding and scale

Nascent Rising stars Scaled



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Paradigm shift for growth capital: Asset watchlist – Latin America (2/4)

Brazil EdTech

Prioritized assets

No.	As	set	EdTech sub-segment	HQ Country	YoE	Revenue Scale (mUSD)	Last funding (Stage)	Last funding (Year)	Total Equity Funding / Market Cap (if listed) (mUSD)	Key Investors	Description
20.	carriero edecation	Camino Education	Digital courseware	Brazil	2019	50-100	Series A	2019	Undisclosed	Kaszek Ventures	A platform providing an active learning platform to support schools worldwide
21.	беекіе	Geekie	Digital courseware	Brazil	2011	20-50	Series B	2015	5-10	Mitsui & Co, Omidyar Network, Gera Venture Capital, Virtuose	a web-based platform providing personalized educational content using adaptive learning technology
22.	бытѕ	UBITS	Upskilling	Colombia	2013	20-50	Series B	2022	20-50	Riverwood Capital, Owl Ventures, Stanford Graduate School of Business	Upskilling and reskilling platform focusing on corporate employee
23.	CODER HOUSE	Coder House	Upskilling	Argentina	2019	10-20	Series A	2021	10-20	Monashees	Live online courses in programming, design, data, and marketing
24.	6	SuperGee ks	Upskilling	Brazil	NA	10-20	Seed	Undisclosed	Undisclosed	Undisclosed	A platform that educates children and adolescents on programming and robotics
25.	galena	Galena	Online HE support services	Brazil	2020	10-20	Series A	2022	20-50	Altos Ventures, Exor Seeds	Pre-employment platform that support recruitment process
26.	RESILIA	Resilia	Upskilling	Brazil	NA	10-20	Series B	2022	20-50	Undisclosed	Upskilling platform with emphasis in training full-stack developers
27.	SA	EBAC Online	Upskilling	Brazil	2020	20-50	Series A	2022	10-20	Baring Vostock Capital Partners	Offer short online courses with physical training in design, marketing, and coding
28.	StartSe#	StartSe	Upskilling	Colombia	2014	20-50	Series A	2021	10-20	Undisclosed	Multidiscipline upskilling platform with physical solution
29.	medway	Medway	Upskilling	Brazil	2017	20-50	Series A	2022	10-20	Undisclosed	Offer online courses for medical professional and student
30.	crehana 🔇	Crehana	Upskilling	Peru	2014	20-50	2021	Series B	50-100	Wayra, Clearly Social Angels, Rethink Education, Mountain Nazca, Acumen	Online certified courses provider

Source: Crunchbase, Mergermarket, L.E.K. Research & Analysis

Categorization based on funding and scale

Nascent

Rising stars

Scaled

LEK

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Paradigm shift for growth capital: Asset watchlist – Latin America (3/4)

Brazil EdTech

Prioritized assets

No.	Asset	EdTech sub-segment	HQ Country	YoE	Revenue Scale (mUSD)	Last funding (Stage)	Last funding (Year)	Total Equity Funding / Market Cap (if listed) (mUSD)	Key Investors	Description
10.	Iumni S Lumni	Online HE Support Service	Chile	NA	20-50	Series A	2021	5-10	Undisclosed	Provides funding for HE
11.	Prova ■ Prova FÁCIL Facil	LMS/SMS	Brazil	1999	20-50	Series B	2013	Undisclosed	Confrapar	Automates the process of creating, applying, and correcting exam
12.	Caelum: Caelum	Upskilling	Brazil	2004	20-50	(indicatively pre Series B)	2017	Undisclosed	Crescera Investimentos	Online courses provider (technical skills)
13.	© Competir	Digital courseware	Argentina	1998	20-50	(indicatively pre Series B)	Undisclosed	Undisclosed	Undisclosed	Content solutions for schools and home school
14.	Colegium Colegium	LMS/SMS	Chile	NA	20-50	(indicatively pre Series B)	Undisclosed	Undisclosed	Undisclosed	School management system that handle administration tasks
15.	₹ conexia	LMS/SMS	Brazil	NA	20-50	(indicatively pre Series B)	Undisclosed	Undisclosed	Undisclosed	Platform to help teacher and student improve outcome through performance management
16	mindhub Mindhub	Upskilling	Mexico	NA	20-50	Bootstrapped	Undisclosed	Undisclosed	Undisclosed (bootstrapped)	
17.	PlayKids	Online tutoring	Brazil	2013	20-50	2015	Undisclosed	10-20	MOVILE	Tech and literature-based learning content for kids
18.	sanar Sanar	Digital courseware	Brazil	2014	20-50	Series B	2022	10-20	DNA Capital, Valor Capital Group, e.bricks Ventures, Vox Capital	Digital healthcare educational platform
19.	Platzi	Upskilling	Brazil	2012	20-50	Series B	2021	50-100	Prosus, Foundation Capital, Google	Online education platform offers classes on marketing, programming, business, and design

Source: Crunchbase, Mergermarket, L.E.K. Research & Analysis

Categorization based on funding and scale

Nascent Rising stars Scaled





Paradigm shift for growth capital: Asset watchlist – Latin America (4/4)

Brazil EdTech Prioritized assets

No.	Asset	EdTech sub- segment	HQ Country	YoE	Revenue Scale (mUSD)	Last funding (Stage)	Last funding (Year)	Total Equity Funding / Market Cap (if listed) (mUSD)	Key Investors	Description
31.	crack Crack The	Upskilling	Peru	2021	5-10	Seed	2021	0-5	Undisclosed	Online academy empowering children and youth through code and technology.
32.	Henry Henry	Upskilling	Argentin a	2020	5-10	Series A	2022	10-20	Accion Venture Lab, Y Combinator	Platform that tailor online courses to developer and data scientist
33.	⇔ passeidireto Passei Direto	Online Tutoring	Brazil	2020	5-10	Series B	2020	5-10	Bossanova Investimentos, Headline, Valor Capital Group, etc.	Largest study platform in Brazil with access to study material and videos
34.	L EskolareEskolare	LMS/SMS	Brazil	2021	5-10	Seed	2021	0-5	Bossanova Investimentos	Provider of a a fully customized platform for online sales for education
35.	«Laboratoria» Laboratoria	Online Tutoring	Peru	2017	5-10	Seed	2017	0-5	Undisclosed	An online tutoring platform specially dedicated to women
36.	Platforma de Educação Online Educacao na Internet	Sistema/Cour seware	Brazil	2014	10-20	(indicatively pre Series B)	2014	Undisclosed	General Atlantic	A platform developing content, technology, and services for schools in Brazil
37.	Nivelat	Upskilling	Chile	2021	5-10	Pre-seed	2021	0-5	CORFO	A learning platform for companies using AI, Gamification, and Microlearning
38.	√ PuPlanner uPlanner	LMS/SMS	Chile	2021	5-10	Series B	2021	5-10	Wayra, Acumen LatAm Impact Ventures, Scale Capital	
39.	DEV.F Dev.f	Upskilling	Mexico	2020	5-10	Seed	2020	0-5	Capital Invent	Platform providing online courses people in an accessible and inclusive way
40.	Redação Nota 1000	HE Services	Brazil	2016	5-10	Seed	2016	5-10	Leonardo Teixeira	An online writing correction platform that provides a structured and detailed evaluation of each text.
41.	ij hackU	Upskilling	Colombia	NA	10-20	Pre-seed	2021	Undisclosed	Undisclosed	An e-learning platform that provides education and training through WhatsApp

Source: Crunchbase, Mergermarket, L.E.K. Research & Analysis

Categorization based on funding and scale Nascent Rising stars Scaled



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