

MCP SERVER

NO CODE

CLOUD HOSTED

PE Ratio Analyzer MCP for AI Agents

Fundamental Stock Valuation and Sector Benchmark Analysis

The PE Ratio Analyzer is your dedicated tool for fundamental equity valuation. It calculates critical ratios like Trailing P/E, Forward P/E, PEG, and P/S, letting you compare a stock's current price against sector benchmarks. You quickly determine if a company looks overvalued, undervalued, or priced correctly using reliable financial metrics.

A+ Quality Score 100/100

stock-analysis

pe-ratio

peg-ratio

equity-valuation

fundamental-analysis



The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

PE Ratio Analyzer MCP

4 tools available

Cloud-hosted on Vinkius

Figuring out if a stock is worth buying takes time and multiple spreadsheets. This MCP streamlines fundamental equity analysis by calculating several key valuation multiples in one place. Instead of manually crunching numbers for Price-to-Earnings (P/E) ratios, PEG Ratios, or Enterprise Value metrics, you feed the data to your agent and get instant insights. The tool calculates everything from current earnings multiples to revenue-based values, letting you compare a company's performance against industry averages like Technology or General Manufacturing. This immediate comparison helps you quickly classify whether the market has priced the stock too high, too low, or just right. Connecting this through Vinkius gives your agent access to a vast catalog of financial tools, making deep-dive valuation research straightforward and fast.

Core Capabilities

01 — Calculate current and projected P/E multiples

Determine the stock's price-to-earnings ratio using both historical (trailing) and expected (forward) earnings data.

03 — Compute revenue and enterprise value ratios

Generate multiples based on total sales (P/S) or overall company earnings (EV/EBITDA), providing broader context beyond just net profit.

02 — Assess valuation relative to company growth

Calculate the PEG Ratio to see how a stock's current valuation stacks up against its projected annual expansion rate.

04 — Classify a stock's current valuation status

Get an immediate classification, telling you if the stock is overvalued, undervalued, or fairly priced based on sector norms.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/pe-ratio-analyzer — connect your AI agent in three steps.

- 01** Input the necessary company data points into your agent, including price, earnings figures, and relevant industry benchmarks.
- 02** Your agent uses the MCP to run multiple analyses, calculating ratios like PEG Ratio and P/S Ratio simultaneously.
- 03** The system returns a clear, written classification—overvalued, undervalued, or fairly priced—based on how the stock compares to its sector.

The bottom line is you get an immediate, multi-metric valuation verdict without leaving your chat window.

Built For

This MCP is essential for financial analysts and independent investors who spend too much time in spreadsheets. If you're tired of comparing stock multiples across five different tabs just to figure out if a company makes sense, this tool saves hours.

Financial Analyst

You use the MCP daily to check various valuation metrics (P/E, PEG) for potential investment recommendations and compare them against established sector standards.

Portfolio Manager

You quickly screen large groups of stocks. You rely on this tool to rapidly classify which holdings are significantly undervalued or overvalued before making buy/sell decisions.

Independent Investor

When doing deep research, you feed your agent the stock details and ask for a comprehensive valuation status, getting a clear answer on whether to proceed with buying.

What Changes When You Connect

-
- 01 Stop guessing if a stock is cheap or expensive. By running the `evaluate_valuation_status` tool, you get an immediate classification: undervalued, overvalued, or fair.

 - 02 Go beyond simple P/E ratios. You can run `calculate_revenue_enterprise_ratios` to use top-line sales and overall earnings for a more complete picture of value.

 - 03 Understand growth impact instantly. The `calculate_growth_ratio` tool links the stock's valuation directly to its expected expansion, which is critical for high-growth sectors.

 - 04 Compare apples to apples across industries. You can use benchmarks (like Tech vs. General) when running earnings ratio calculations, making your analysis reliable.

 - 05 Save hours of spreadsheet work. Your agent automates the entire process, calculating multiple complex metrics using `calculate_earnings_ratios` in seconds.
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Real-World Applications

Quickly vetting an investment target

A user inputs a stock's price and earnings. Their agent runs the valuation status tool, instantly reporting that while the P/E is low, the PEG Ratio suggests it might be overvalued compared to its expected growth.

Checking value during market downturns

A portfolio manager needs to identify hidden gems. They run the revenue enterprise ratio tool on several holdings, filtering out stocks that look overpriced based on their total sales compared to their earnings.

Comparing tech vs. industrial stocks

An analyst wants to know if a new SaaS company (Tech) looks better than an established manufacturing firm (General). They use the MCP to calculate P/E ratios for both against their respective sector benchmarks.

Patterns to Avoid

Only looking at P/E ratios

X AVOID

A user only calculates the trailing P/E ratio and assumes it's enough information. They might miss that a high growth rate makes the stock fundamentally different from low-growth sectors.

✓ INSTEAD

Always cross-reference your findings. Use ``calculate_growth_ratio`` alongside the standard earnings ratios to get a full picture of valuation risk.

Comparing dissimilar companies

X AVOID

A user compares a tech company's P/E ratio against an oil company's average, ignoring sector-specific norms. This comparison is meaningless and leads to bad calls.

✓ INSTEAD

Always specify the industry benchmark (e.g., Tech or General) when running valuation checks in the MCP.

Ignoring revenue multiples

X AVOID

A user only focuses on net income-based ratios, missing potential value because the company is generating high top-line sales but hasn't yet hit peak profitability.

✓ INSTEAD

Run ``calculate_revenue_enterprise_ratios`` to include P/S and EV/EBITDA metrics. This gives you a broader view than just net earnings.

The Right Fit

Use this MCP when your goal is relative valuation: determining if a stock's price is reasonable compared to its history, its growth potential, or its industry peers. You need to know if the market has correctly priced it for its sector. Don't use this if you just need absolute raw data, like historical sales figures; those require different data access tools. Furthermore, don't rely on a single metric. If your agent says 'Undervalued,' always follow up by running `calculate_growth_ratio` to ensure the value isn't based on unsustainable expectations.

PE Ratio Analyzer for Stock Valuation: Decoding Fundamental Value

Before this MCP, figuring out if a stock was truly undervalued felt like pulling teeth. Analysts spent days compiling data from multiple sources, manually running P/E calculations in Excel, cross-referencing industry benchmarks, and trying to keep track of whether the ratio applied to trailing earnings or forward projections. The risk of human error—or just sheer exhaustion—was always high.

Now, your agent handles all that complexity instantly. You provide the core data, and the MCP performs multiple checks: it calculates current P/E multiples, assesses PEG ratios, and even computes revenue-based metrics like P/S. The result isn't just a number; you get a clear classification of whether the stock is overpriced or ripe for investment.

PE Ratio Analyzer: Using Valuation Metrics for Sector Comparison

The biggest manual headache used to be comparing sectors. You'd have to remember which benchmarks applied where—a tech stock benchmark is nothing like a general utilities benchmark. It was tedious, time-consuming comparison work that slowed down decision-making.

This MCP fixes that by allowing you to run metrics against specific sector groupings. Your agent doesn't just give you one ratio; it gives you context. You instantly see how Stock A (Tech) measures up against the Tech benchmark while simultaneously comparing Stock B (General)

against its own established peer group. It makes comparison fast, accurate, and actionable.

PE Ratio Analyzer: 4 Tools for Financial Equity Valuation

These tools let you calculate various complex financial multiples, from earnings-based ratios to revenue-enterprise values, all in one place.

#	TOOL	DESCRIPTION
01	<code>calculate_earnings_ratios</code>	Determines current and projected price-to-earnings multiples for immediate comparison.
02	<code>calculate_growth_ratio</code>	Assesses a company's valuation by relating its market price to its expected future growth rate.
03	<code>calculate_revenue_enterprise_ratios</code>	Computes valuation multiples using both top-line revenue and enterprise earnings for broader financial context.
04	<code>evaluate_valuation_status</code>	Provides a clear classification, telling you if the stock is overvalued, undervalued, or fairly priced against sector norms.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

- U** Based on these numbers for Company X (\$100 price, \$5 EPS, 20% growth), is it a good buy? Tech sector.



Valuation Report: Company X

- **Trailing P/E:** 20.0x (Tech Benchmark Range: 15-25x)
- **PEG Ratio:** 1.0 (Ideal range is typically under 1.5)
- **Status:** Fairly Priced.

Conclusion: The metrics suggest the stock is fairly priced relative to its growth and sector peers.

- U** Check valuation for a clean energy company. Price \$40, Revenue/Share \$4, low expected growth.



Analysis of Clean Energy Corp.

METRIC	VALUE
P/S Ratio	10.0x
EV/EBITDA	8.5x
Status	Potentially Undervalued

The combination of a low sector-relative P/S and favorable EBITDA multiples suggests significant undervaluation risk.

- U** Is my competitor, Company Z (\$200 price, \$10 EPS), overvalued compared to the general market?



Company Z Valuation Check

The calculated Trailing P/E is 20.0x.

Compared to the General Market benchmark (average of 15-20x), Company Z sits at the high end, indicating potential overvaluation if growth doesn't meet expectations.

Frequently Asked Questions

01 How does the PE Ratio Analyzer help me decide if a stock is undervalued?

The MCP calculates multiple metrics (P/E, PEG, P/S) and compares them to sector benchmarks. It gives you a clear classification—undervalued, overvalued, or fairly priced—so you don't have to manually calculate everything yourself.

02 What if I want to compare stocks from different industries?

The PE Ratio Analyzer lets you benchmark against specific sectors (like Tech or General). This ensures you are comparing a stock using relevant, accurate peer group metrics, not just global averages.

03 Can the PE Ratio Analyzer check future growth expectations?

Yes. By calculating both Trailing P/E and Forward P/E, plus assessing the PEG Ratio, it accounts for projected earnings and expected company expansion alongside current metrics.

04 Do I need to know advanced finance terms to use PE Ratio Analyzer?

No. You just feed your agent the raw data (price, revenue, etc.), and the MCP handles the complex calculations. It delivers the answer—the valuation status—in plain English.

05 Is this better than using a spreadsheet for stock analysis?







It's faster and less prone to error. The MCP automates multiple, interconnected metrics like P/S and EV/EBITDA in seconds. It gives you an immediate comparative status report that is hard to replicate manually.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"pe-ratio-analyzer": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  **Ask ChatGPT** 
-  **Ask Claude** 
-  **Ask Perplexity** 
-  **Ask Gemini** 
-  **Ask Grok** 

READY TO CONNECT

PE Ratio Analyzer is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and start building. No SDK. No deployment. Just results.

[Start at cloud.vinkius.com](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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DOCUMENT INFORMATION

Generated	July 2026
MCP Server	PE Ratio Analyzer MCP
Server ID	019f06cf-c16b-725d-93a5-2994011147b4
Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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