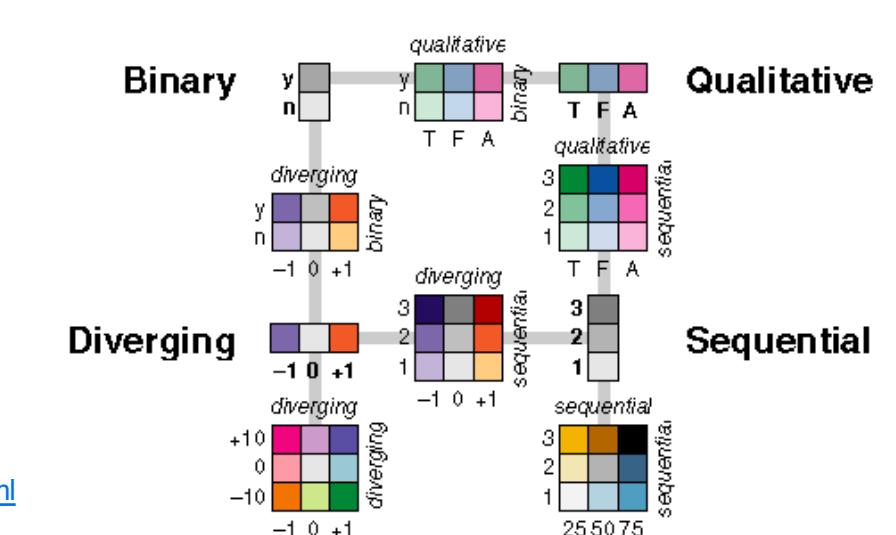
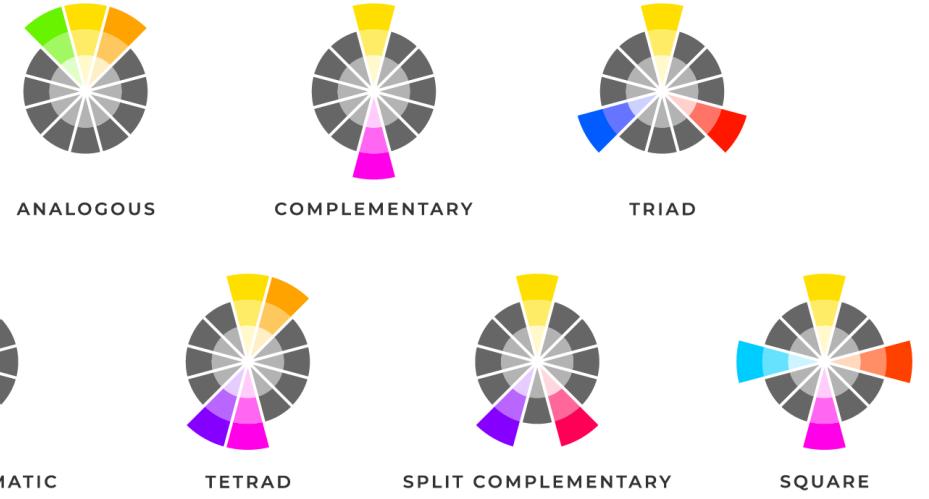
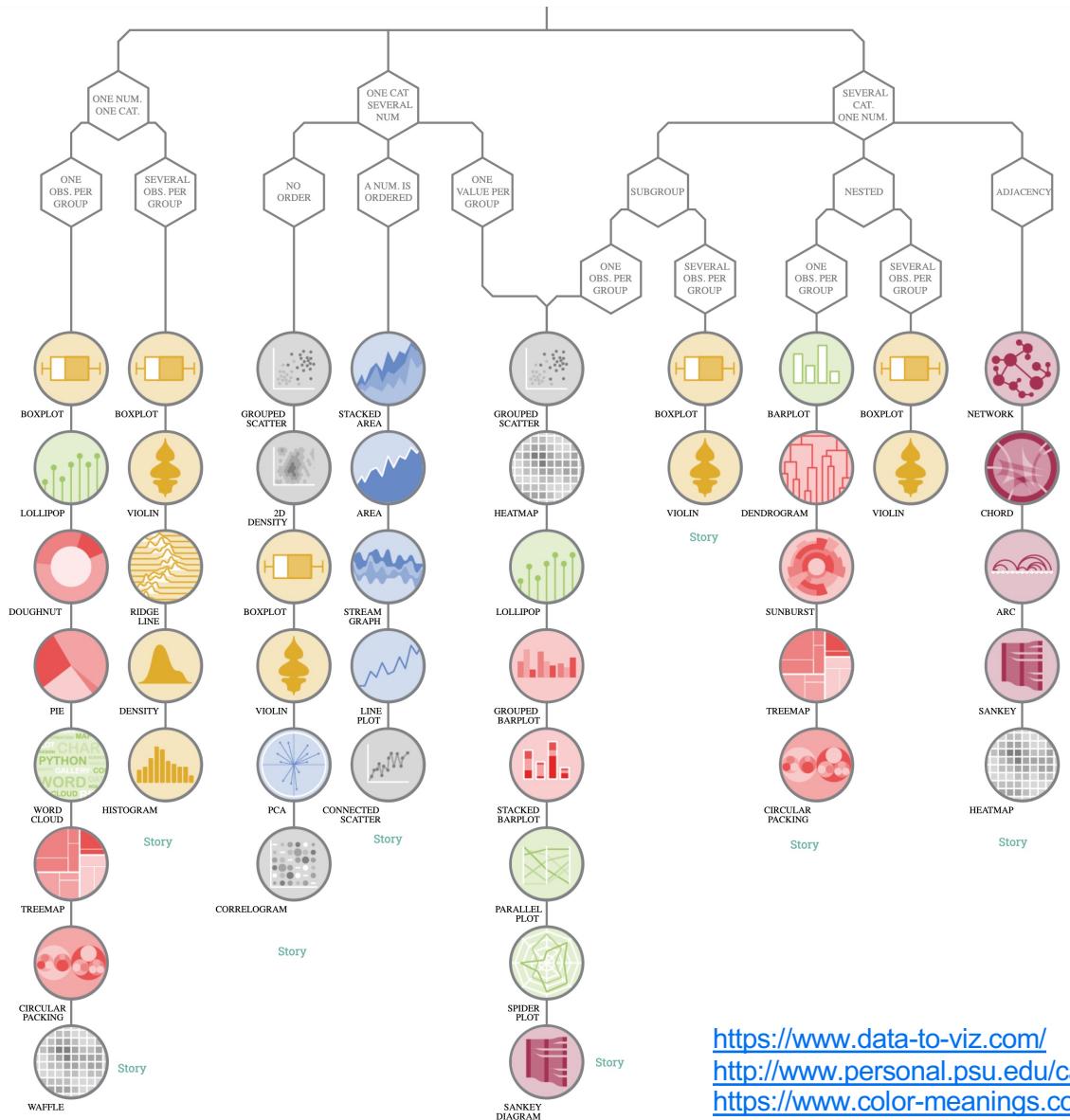


International Business Communication Standards (IBCS)

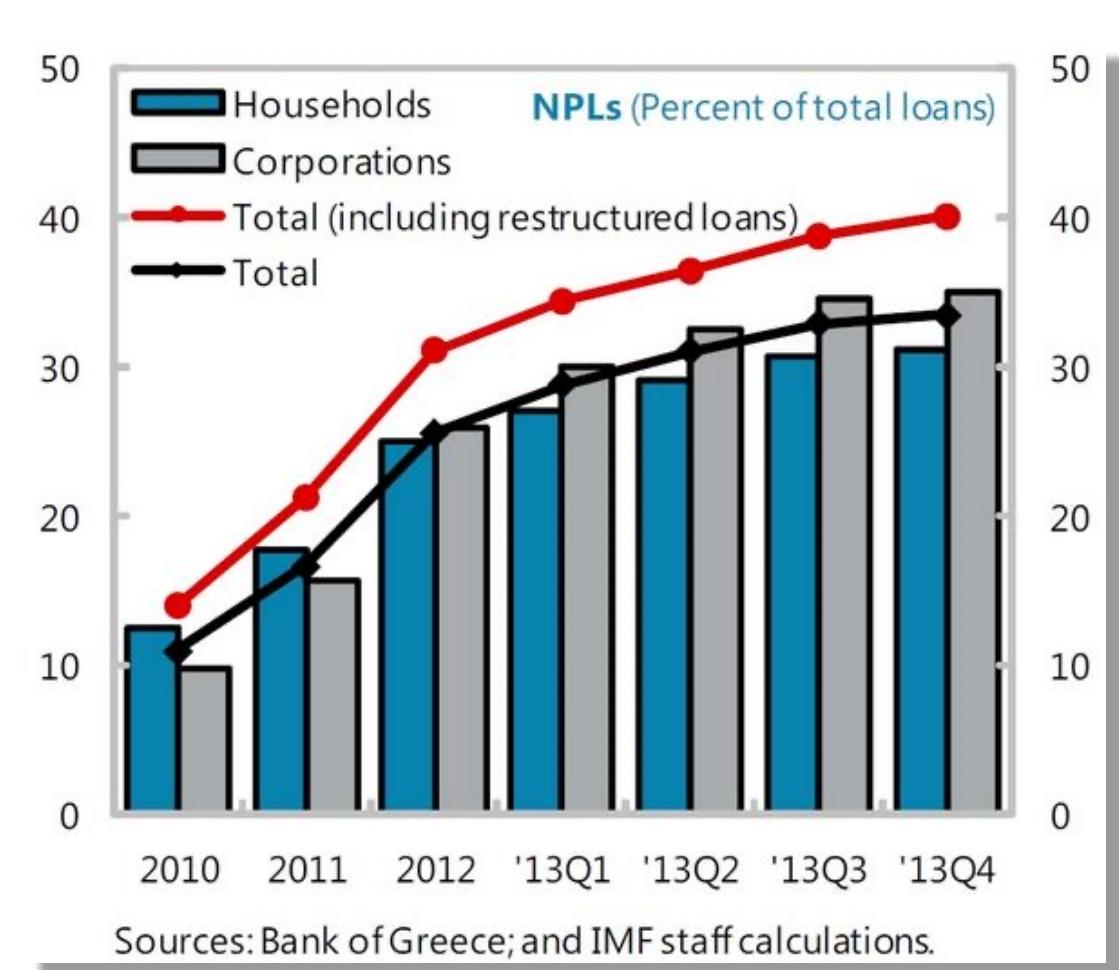
Vitaliy Rudnytskiy
Principal Architect – Data & AI
SAP

In Data Viz, we've seen a lot of the Best Practices developed...



<https://www.data-to-viz.com/>
<http://www.personal.psu.edu/cab38/ColorSch/Schemes.html>
<https://www.color-meanings.com/color-harmony-schemes>

...and Bad Practices used



Points earned
with every
\$1 spent
on stays:



Points earned
at Tru & Home2:

Member Silver Gold Diamond

Earn rates shown include Base Points + Elite Tier Bonuses.

TIME IT TAKES A HACKER TO BRUTE FORCE YOUR PASSWORD IN 2022

Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	Instantly	Instantly
7	Instantly	Instantly	2 secs	7 secs	31 secs
8	Instantly	Instantly	2 mins	7 mins	39 mins
9	Instantly	10 secs	1 hour	7 hours	2 days
10	Instantly	4 mins	3 days	3 weeks	5 months
11	Instantly	2 hours	5 months	3 years	34 years
12	2 secs	2 days	24 years	200 years	3k years
13	19 secs	2 months	1k years	12k years	202k years
14	3 mins	4 years	64k years	750k years	16m years
15	32 mins	100 years	3m years	46m years	1bn years
16	5 hours	3k years	173m years	3bn years	92bn years
17	2 days	69k years	9bn years	179bn years	7tn years
18	3 weeks	2m years	467bn years	11tn years	438tn years

The free, community-driven and open **International Business Communication Standards (IBCS)** are proposals for the **conceptual and visual design of management reports and presentations**.

Conceptual Rules

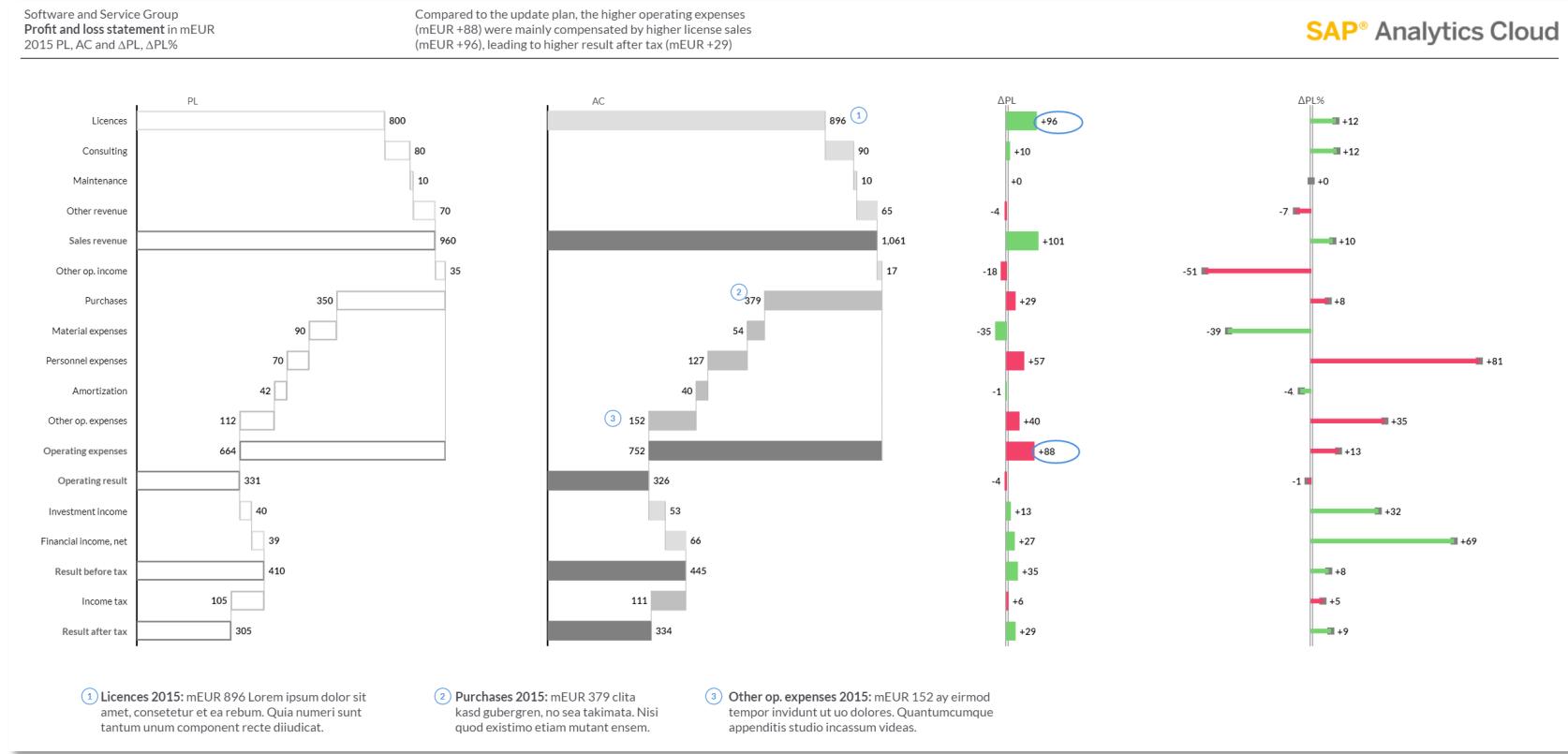
an appropriate storyline

Perceptual Rules

an appropriate visual design

Semantic Rules

an appropriate notation system



Business communication meets the IBCS® Standards...

...when it complies with the rules of **the seven areas**

SAY: Convey a message

UNIFY: Apply semantic notation

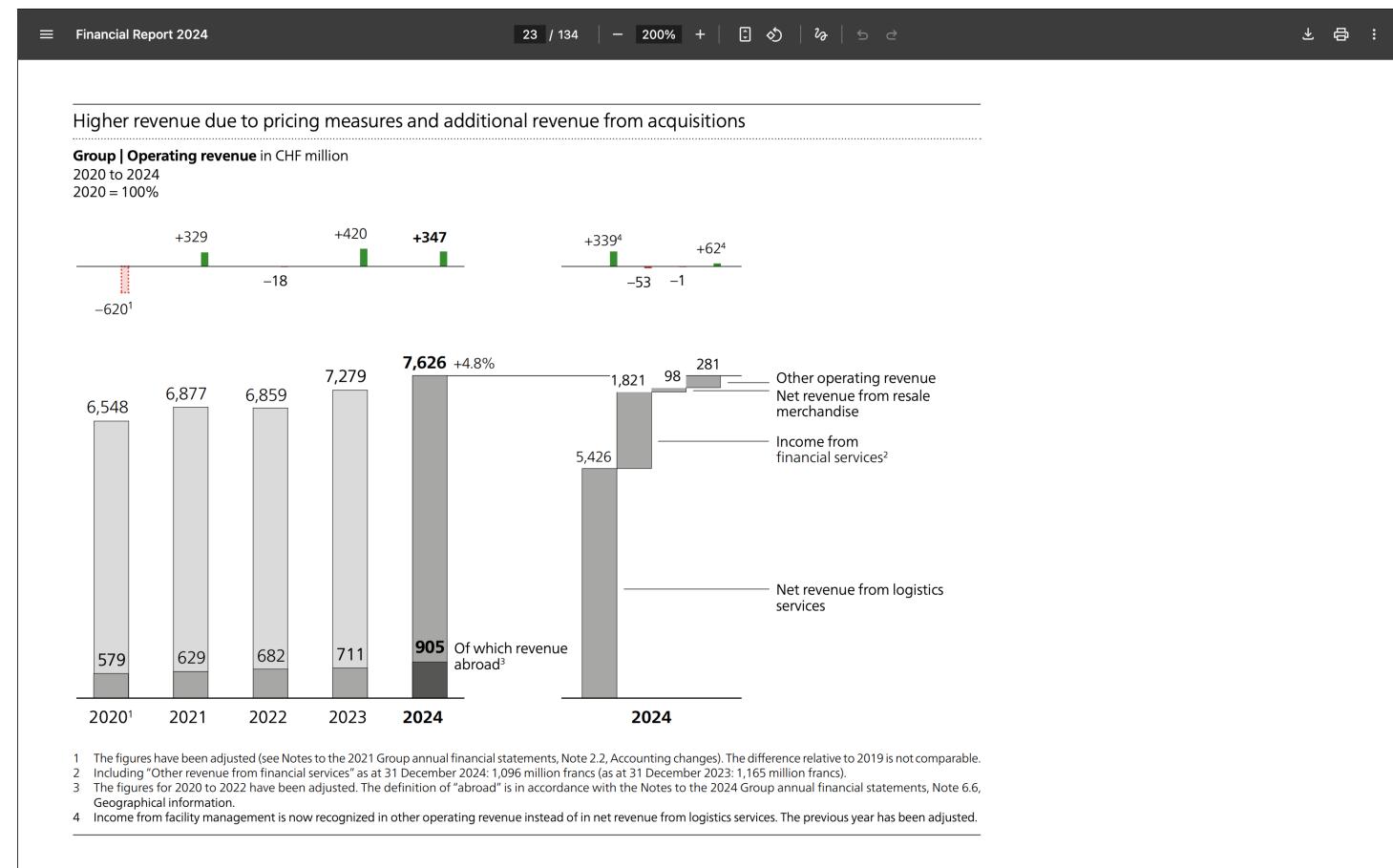
CONDENSE: Increase information density

CHECK: Ensure visual integrity

EXPRESS: Choose proper visualization

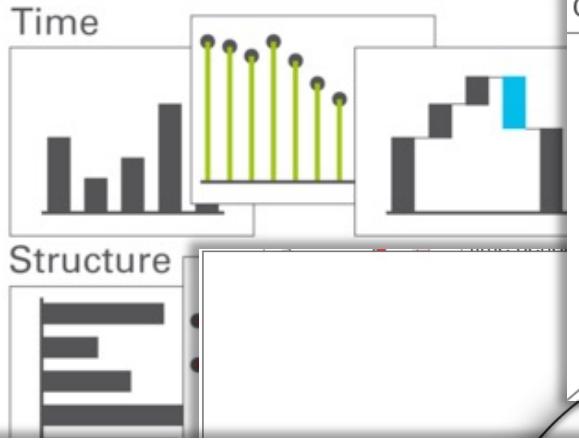
SIMPLIFY: Avoid clutter

STRUCTURE: Organize content

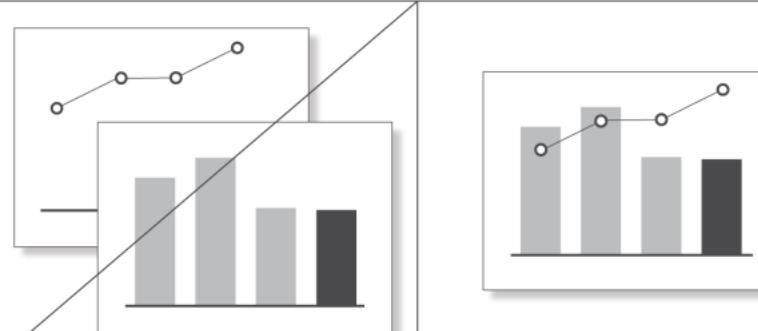


SAP and IBCS

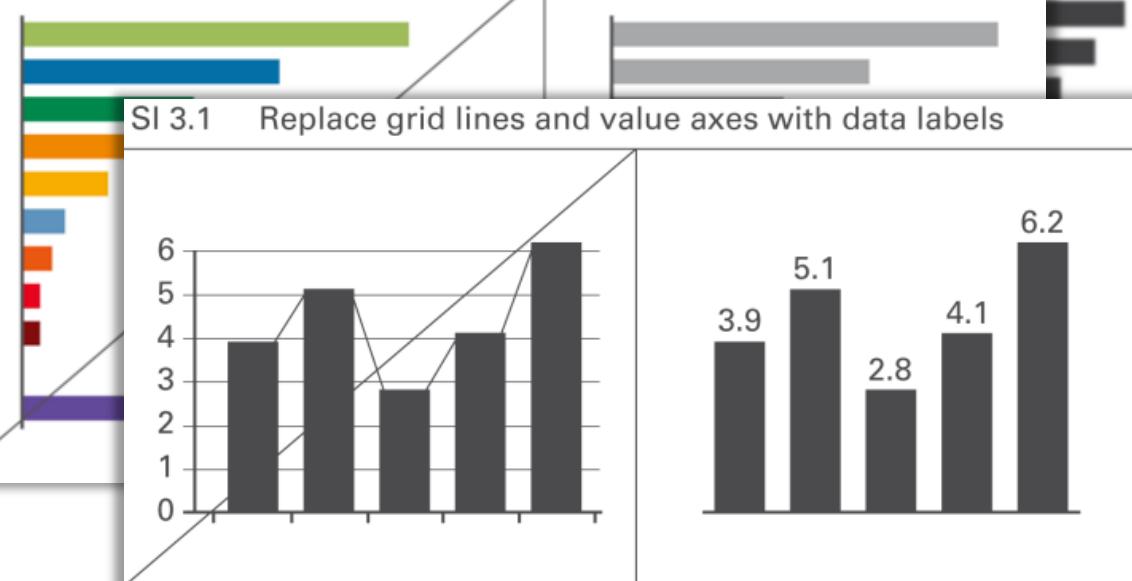
EX 1.1 Use correct chart type



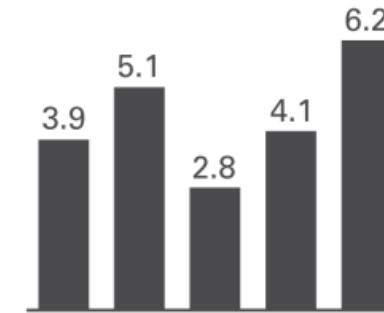
CO 4.1 Show overlay charts



SI 2.2 Avoid decorative colors

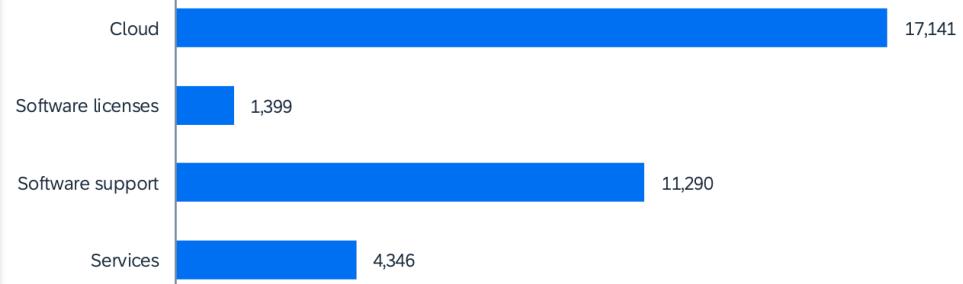


SI 3.1 Replace grid lines and value axes with data labels



Revenue by Revenue Type

€ millions

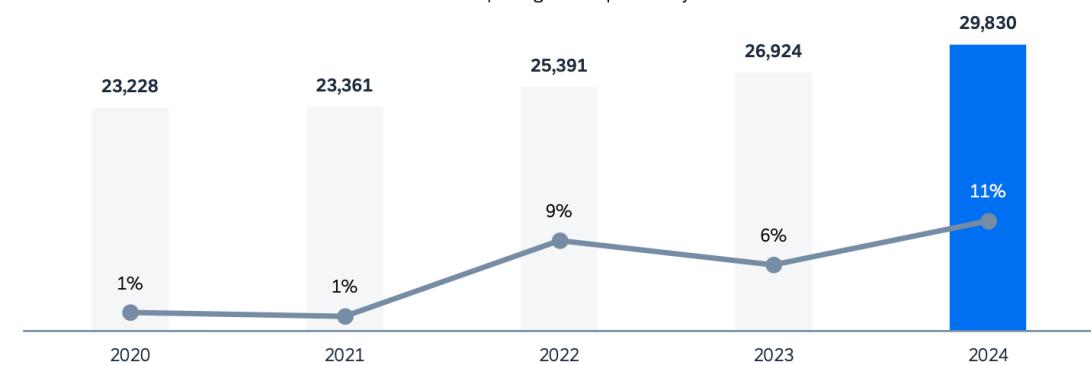


For a detailed description of our revenue types, see the Notes to the Consolidated Financial Statements, [Note \(A.1\)](#).

For more information about our regional performance, see the [Revenue by Region](#) section.

Cloud and Software Revenue¹

€ millions | change since previous year



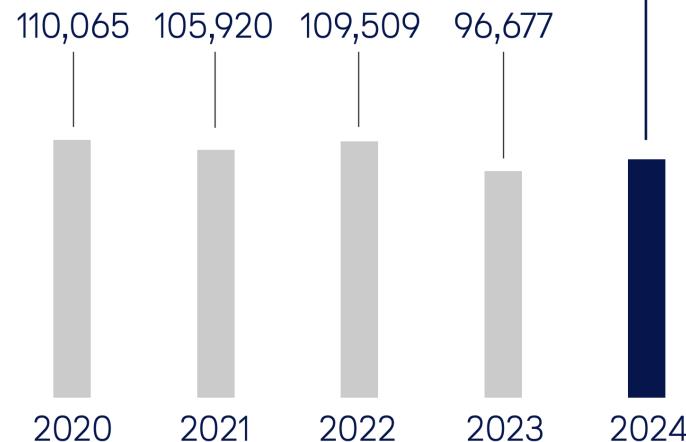
¹ The numbers from 2021 to 2024 reflect continuing operations as a result of the divestiture of Qualtrics.

Cloud and software revenue grew from €26,924 million in 2023 to €29,830 million in 2024, representing an increase of 11%.

More examples: Lufthansa, Philips, Credit Suisse...

C06 NUMBER OF EMPLOYEES

as of 31 Dec

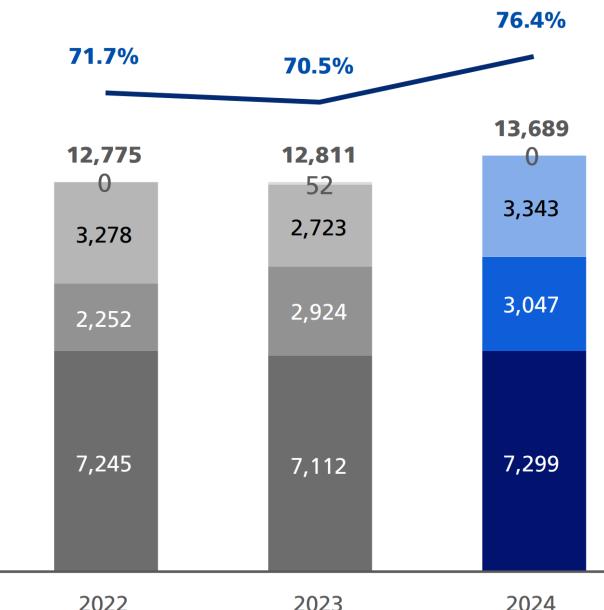


2024
101,709

Philips annual report

202 / 302 | - 250% (+) ☰ ☰ | ☰ | ☰

Philips Group
Green Revenues per segment in millions of EUR unless otherwise stated



Balance sheet funding structure

as of December 31, 2022 (CHF billion)

Cash & central bank reserves	59	Short-term borrowings ²	23
Secured financing transactions ¹	62	Sec. financing transactions ³	23
Trading assets	52	Short positions	9
Brokerage receivables	18	Brokerage payables	11
		time	68
234 Deposits	234	demand	122
		savings	44
Loans	276		
		85% coverage	
157	157	Long-term debt	Long-term debt
28	28	All other liabilities	All other liabilities
64	64	Total equity	Total equity
Assets	531	Liabilities and Equity	531

Our balance sheet funding structure diagram was aligned with the NSFR framework.

1 Reverse repurchase agreements including securities received as collateral.

2 Included certificates of deposit (CD), commercial paper (CP) and structured notes up to 1 year.

3 Repurchase agreements including obligation to return securities received as collateral.

- As a % of sales
- Other
- Personal Health
- Connected Care
- Diagnosis & Treatment

Study it in details: <https://www.ibcs.com/ibcs-standards-1-2/>

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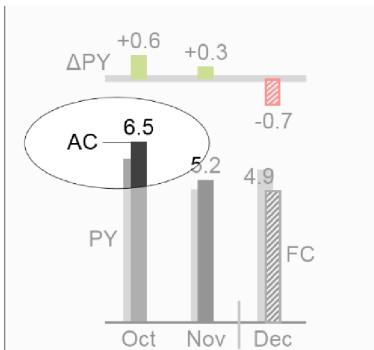
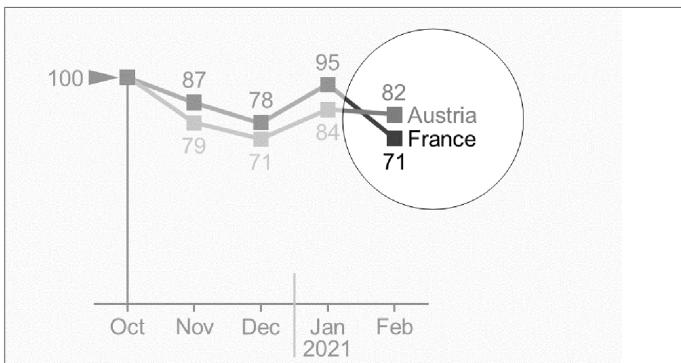


Figure UN 2.3-3: Legend with assisting line (example)

In line charts, position legends either to the right of the line end or close to the course of the line, see Figure UN 2.3-4.



An eye-tracking and laboratory study at the Technische Universität München

46%
faster processing
of information

61%
fewer errors

The rule areas SIMPLIFY and CONDENSE primarily influence processing time – and are thus **time-savers**.

UNIFY and CHECK however are the **quality-managers**, as they help readers to avoid errors.

Johannes Freyer, Timo Linde, Arne-Kristian Schulz, Dirk U. Proff

MORE THAN JUST A STANDARD
HOW IBCS FACILITATES THE
PERCEPTION OF BUSINESS DATA

An eye-tracking and laboratory study at the Technische Universität München (TUM).

blueforte

IBCS goes ISO



Standards Sectors About

← ICS ← 01 ← 01.140

01.140.20

Information sciences
Including documentation

Filter [8]: Published Under development

Standard and/or project ↑

① ISO/DIS 11798 [Under development]

Information and documentation — Permanent Requirements and test methods

① ISO/DIS 19264-1 [Under development]

Photography — Archiving systems — Image

① ISO/CD 22144 [Under development]

Authenticity of information — Content cri

① ISO/TR 23081-4 [Under development]

Information and documentation — Metad

① ISO/DIS 24896 [Under development]

Notation for business reporting

← ICS ← 01 ← 01.140 ← 01.140.20

ISO/DIS 24896

Notation for business reporting

Under development

This Draft International Standard is in the enquiry stage with the member bodies.

[Read sample](#)

Abstract

This standard establishes a consistent semantic notation for business communication with written reports, live presentations, and analytic dashboards (referred to collectively as "reports"). It specifies requirements for the visual appearance of recurring aspects such as the labelling of content, the layout of charts and tables, the representation of data values, as well as the visualization of their characteristics. All requirements are applicable to reports of all organizations, regardless of their type, size, location, or the nature of the services delivered.



Results of the ballot for ISO 24896

List of nominated technical experts for the development of ISO 24896

Country (Member body)	Expert	E-Mail
Australia (SA)	Roslyn Abela	roslynabela@gmail.com
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Germany (DIN)	Sabine Mahr	sabine.mahr@wordbsign.com
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Germany (DIN)	Thomas Schindler	thomas.m.schindler@web.de
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Turkey (TSE)	Esin Özkan	esin@4e.academy
United States (ANSI)	Sue Ellen Wright	sellen@ustag37.com
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WG11	Annetta Cheek	annetalcheek@gmail.com

<https://www.iso.org/standard/88366.html>

IBCS® Certified Software: <https://www.ibcs.com/software/>



- Concept
- Software
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Want to create reports and dashboards in IBCS® Charts [and Tables] certificate is awarded to software products listed on this page have s

SAP® Analytics Cloud

SAP ANALYTICS CLOUD 2024.07

SAP Analytics Cloud is an IBCS® certified solution for business intelligence and organizational planning; enhanced with the power of predictive analytics and machine learning technology.

ABOUT

SAP Analytics Cloud is leading the way towards streamlined, end-to-end decision making for business. It's a future-forward analytics solution that's built to scale and handle enterprise-level data including Big data and IoT data. SAP Analytics Cloud is an essential part of any digital transformation. SAP's technology enables users to create reports based on familiar and trusted semantics, ensuring employees and executives have the information they need to make better decisions, faster and with confidence. As an experience on SAP Analytics Cloud, the SAP Digital Boardroom brings board meetings to life with interactive visualizations and insights at your fingertips.

IBCS® CERTIFIED CHARTS+TABLES

SAP Analytics Cloud 2024.07 has successfully passed the examination in accordance with the provisions of the IBCS® software re-certification process in February 2024. SAP Analytics Cloud initially was certified in December 2017. The visual design of the presented business charts and tables is certified to be compliant with the Standards proposed by the IBCS Association.

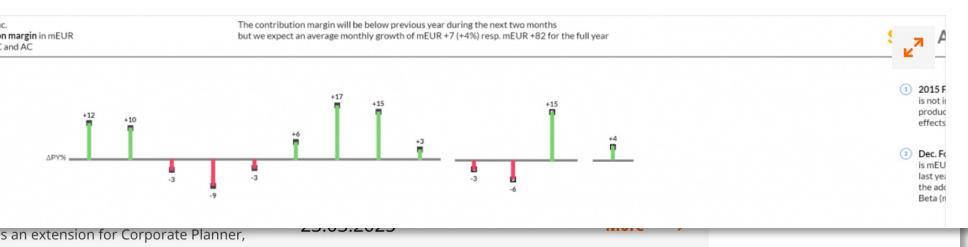


EXAMPLES

Here are some examples of templates which have been developed with SAP Analytics Cloud during the certification procedure:

Furniture Inc. Contribution margin in mEUR 2015 PY, FC and AC

The contribution margin will be below previous year during the next two months but we expect an average monthly growth of mEUR +7 (+4%) resp. mEUR +82 for the full year



Inforiver Analytics+ and Inforiver Reporting Matrix in Power BI

Inforiver is a no-code IBCS certified solution that offers one-click templates for Business and Management Reporting in Power BI. It is a complete analytics suite with superior self-service, personalization, and collaboration features.

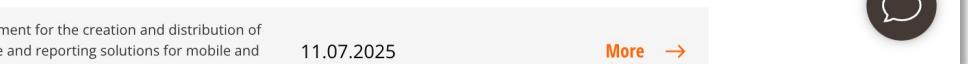
01.07.2025 [More →](#)



Longview Analytics

Longview Analytics is the ideal environment for the creation and distribution of highly customized business intelligence and reporting solutions for mobile and

11.07.2025 [More →](#)



The presentation of SAP Analytics Cloud surprised the certification team in a very positive way. The flexibility of the tool and the speed of producing new templates is impressive. Because of the strong integration with data and meta data from SAP sources we see a great opportunity that this product can make IBCS® the visualization standard for financial data in the SAP world.



Dr. Rolf Hichert
Member of the certification team



As the market leader in enterprise application software, SAP is at the center of today's business and technology revolution. SAP helps you streamline your processes, giving you the ability to use live data to predict customer trends - live and in the moment.

Contact details

[SAP Data Hub](#) [SAP Analytics Cloud](#) [SAP Analytics Cloud](#)

Dziękuję // Thank you // Дякую

Vitaliy Rudnytskiy
Principle Developer Advocate
Ecosystem & Community, SAP

