

HS19

DISTRIBUTED SYSTEMS ADVANCED & BLOCKCHAIN

Administration

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Distributed Systems - In the News

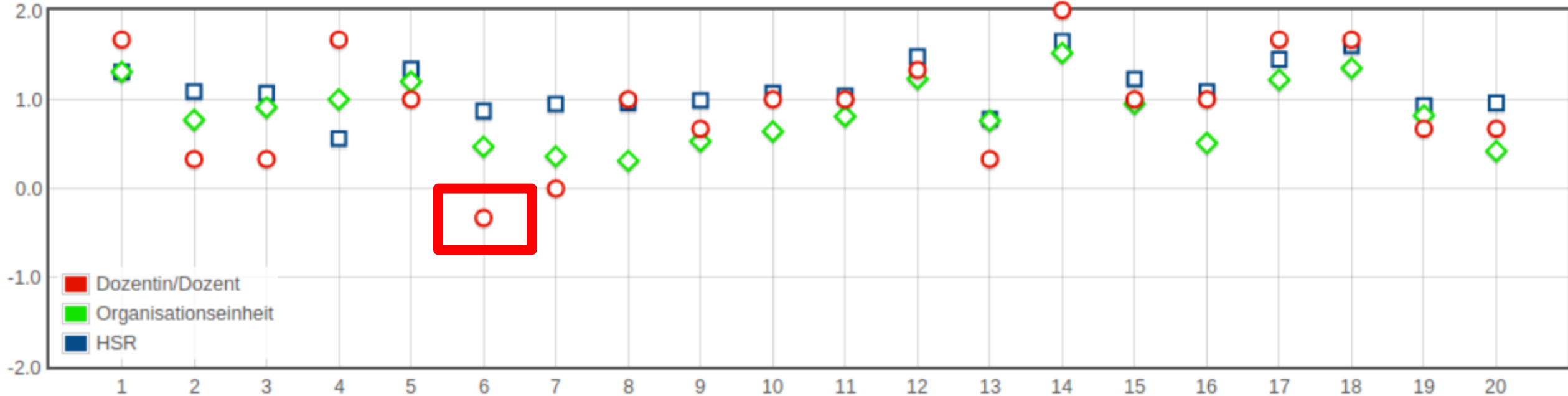
■ 11.12.2019: Jack Dorsey wants to decentralize Twitter

- Create an open standard for decentralized social media
- Bluesky: team of up to five open source architects, engineers, and designers to develop an open and decentralized standard for social media
- "Finally, new technologies have emerged to make a decentralized approach more viable. Blockchain points to a series of decentralized solutions for open and durable hosting, governance, and even monetization. Much work to be done, but the fundamentals are there,"

■ Challenge Task

- Good news, you will get cheap BTC

Cryptocurrencies ▾ Exchanges ▾ Watchlist							USD ▾	Next 100 →	View All
#	Name	Market Cap	Price	Volume (24h)	Circulating Supply	Change (24h)	Price Graph (7d)		
1	Bitcoin	\$121,691,442,036	\$6,721.00	\$24,448,802,746	18,106,162 BTC	-3.11%			
2	Ethereum	\$13,571,844,090	\$124.57	\$10,065,561,182	108,950,911 ETH	-6.21%			
3	XRP	\$8,094,594,233	\$0.186898	\$2,003,110,821	43,310,265,523 XRP *	-6.41%			
4	Tether	\$4,137,719,357	\$1.01	\$29,447,464,314	4,108,044,456 USDT *	0.07%			
5	Bitcoin Cash	\$3,252,176,260	\$178.96	\$1,955,800,836	18,172,850 BCH	-8.80%			
6	Litecoin	\$2,418,954,045	\$38.00	\$3,415,102,561	63,656,519 LTC	-5.20%			
7	EOS	\$2,116,644,786	\$2.24	\$2,314,273,880	944,823,395 EOS *	-5.22%			
8	Binance Coin	\$1,964,354,660	\$12.63	\$196,922,562	155,536,713 BNB *	-5.38%			
9	Bitcoin SV	\$1,481,179,647	\$81.98	\$539,655,955	18,068,415 BSV	-6.58%			



■ Was mir besonders gefallen hat an der Lehrveranstaltung:

- Challenge Task finde ich sinnvoll, man lernt sehr viel dabei, zu Beginn wird man jedoch ins kalte Wasser geworfen, Einführung und Einleitung zur Challenge Task Aufgabe könnten evtl. etwas detaillierter sein

■ 6. Die Unterlagen für das Modul/ den Kurs sind für mich hilfreich.

■ Verbesserungsvorschläge:

- Das Projekt nimmt sehr viel Zeit in Anspruch. Dies ist in diesem Semester eher schwierig, da die meisten an ihrer Studienarbeit arbeiten, welche ebenfalls sehr viel Zeit in Anspruch nimmt.

■ Challenge Task Goals

- Gain practical experience with fully distributed systems
- Get a feeling for current state-of-the-art

■ Teil der Leistungserbringung, wird bei der Prüfung berücksichtigt!

Challenge Task 2019

- 18 Anmeldungen, 15 passed milestone, 11 handed-in (60%)
- 5 groups, Schiffe versenken, tic-tac-toe, 4 gewinnt, Yahtzee, guess number
- JavaScript, Java, C#
 - 1 external random source (Oracle)
 - Impressed by:
 - Local Ethereum setup for development, running automated with docker
 - Yahtzee contract with all rules in Solidity, chat with Ethereum

■ HSR Challenge Task Winner 2019

- 18.12.2019
- Marco, Martin!
 - With 4 Gewinnt, with deployment on <https://marcokeller.io/>, code well structured, economic incentives



Questions?

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