



# ŠOKOLAADITAHVLID & STATISTIKA

Maarja-Liis Kaldvee

KD22

2022

# ÜLEVAADE

LINK

Uuriti eelkõike tumedaid šokolaade üle maailma.

Algne andmete suurus 2450.

Uurisin 2445 šokolaaditahvlit.

Fookusesse võtsin:

ubade päritoluriigid

kakao protsendi

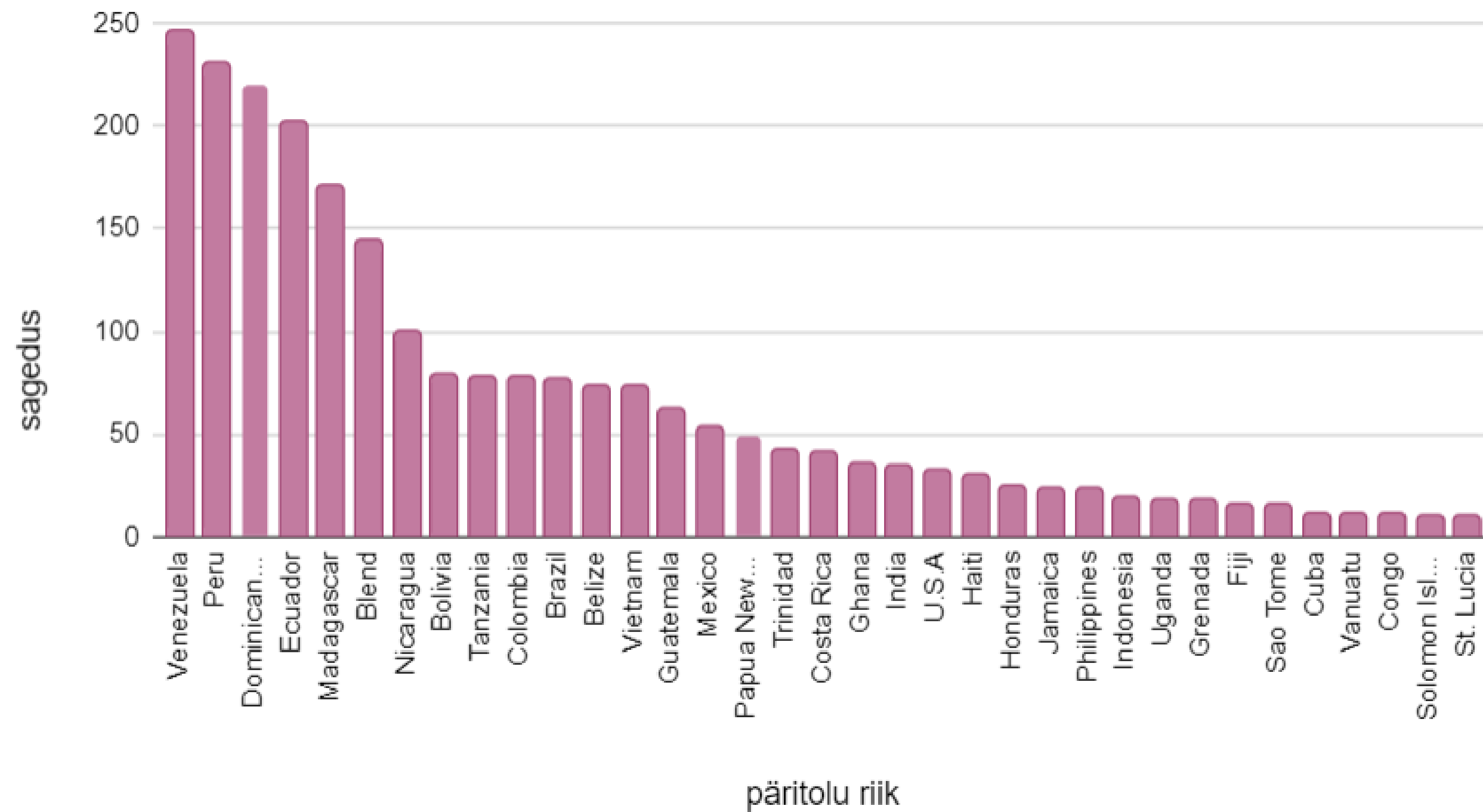
šokolaaditahvlite hinnangud (1–5)

lisatud suhkrud (jah/ei)

# ALGANDMED

id	manufacturer	company_location	year_reviewed	bar_name	num_ingredients	review	bean_origin	cocoa_percent	ingredients	rating
2454	5150	U.S.A.	2019	Kokoa Kamili, batch 1	3.0	rich cocoa, fatty, bready	Tanzania	76.0	B,S,C	3.25
2458	5150	U.S.A.	2019	Zorzal, batch 1	3.0	cocoa, vegetal, savory	Dominican Republic	76.0	B,S,C	3.5
2454	5150	U.S.A.	2019	Bejofo Estate, batch 1	3.0	cocoa, blackberry, full body	Madagascar	76.0	B,S,C	3.75
2542	5150	U.S.A.	2021	Matasawalevu, batch 1	3.0	chewy, off, rubbery	Fiji	68.0	B,S,C	3.0
2546	5150	U.S.A.	2021	Sur del Lago, batch 1	3.0	fatty, earthy, moss, nutty,chalky	Venezuela	72.0	B,S,C	3.0
2546	5150	U.S.A.	2021	Semuliki Forest, batch 1	3.0	mildly bitter, basic cocoa, fatty	Uganda	80.0	B,S,C	3.25
2542	5150	U.S.A.	2021	Anamalai, batch 1	3.0	milk brownie, macadamia,chewy	India	68.0	B,S,C	3.5
797	A. Morin	France	2012	Bolivia	4.0	vegetal, nutty	Bolivia	70.0	B,S,C,L	3.5
797	A. Morin	France	2012	Peru	4.0	fruity, melon, roasty	Peru	63.0	B,S,C,L	3.75
1011	A. Morin	France	2013	Panama	4.0	brief fruit note, earthy, nutty	Panama	70.0	B,S,C,L	2.75

## Kakaoubade päritoluriikide sagedus



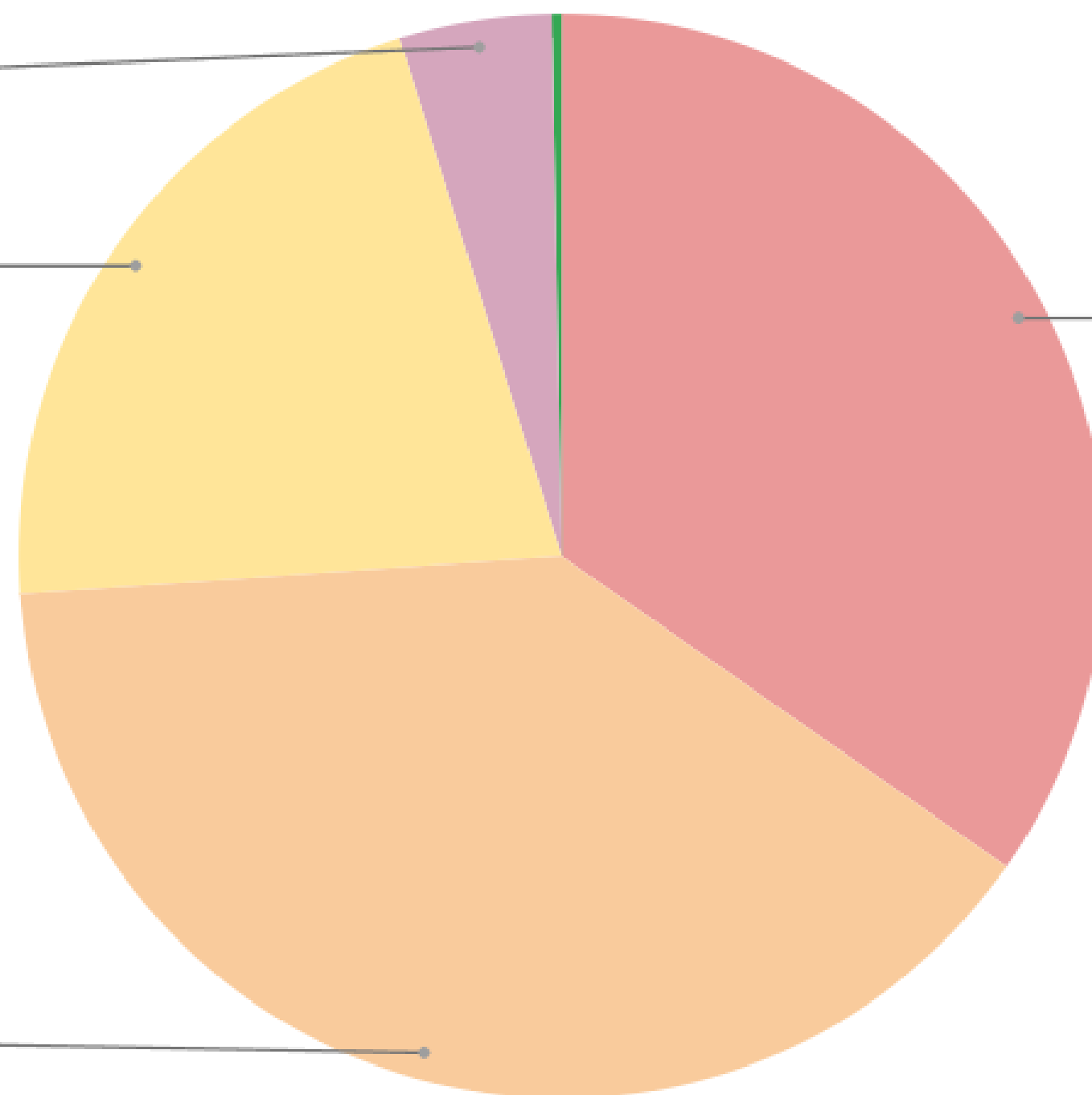
## Šoklaaditahvlite hinnangud

4.0-5.0  
4.5%

2.0-2.9  
21.3%

3.5-3.9  
34.7%

3.0-3.49  
39.2%



Flavors of Cacao Rating System:

4.0 - 5.0 = Outstanding

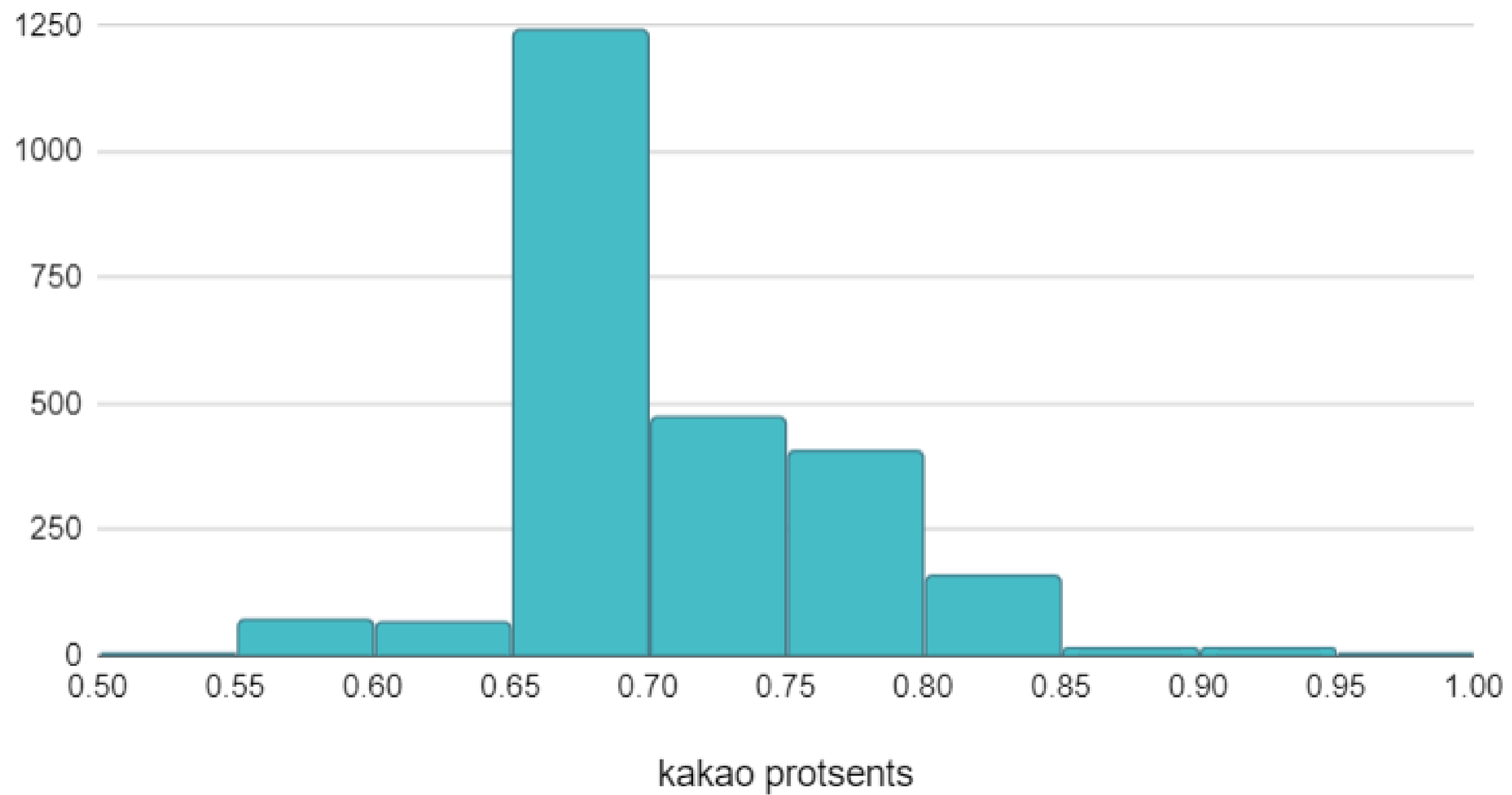
3.5 - 3.9 = Highly Recommended

3.0 - 3.49 = Recommended

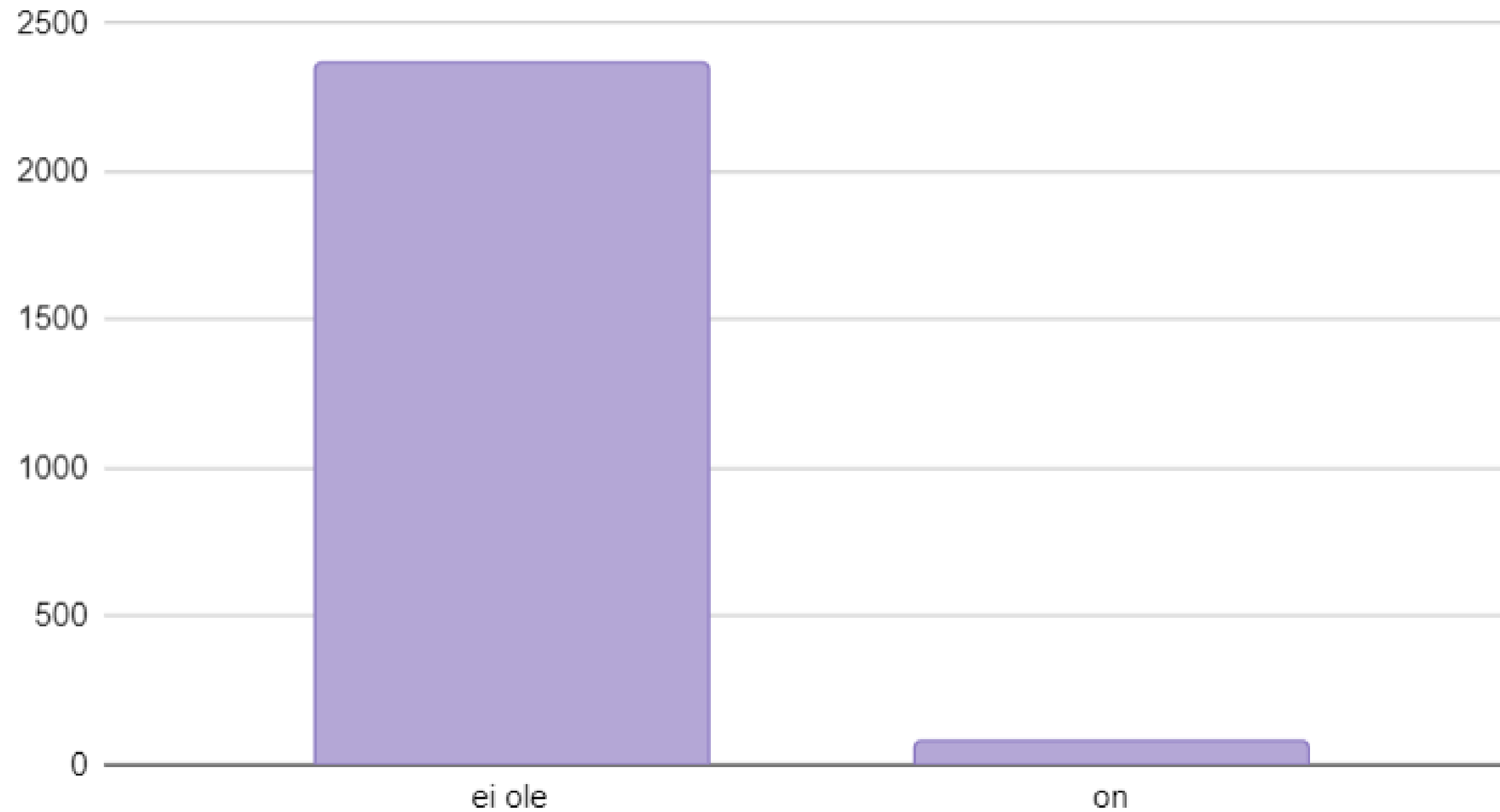
2.0 - 2.9 = Disappointing

1.0 - 1.9 = Unpleasant

## Kakao protsendid šokolaaditahvlites



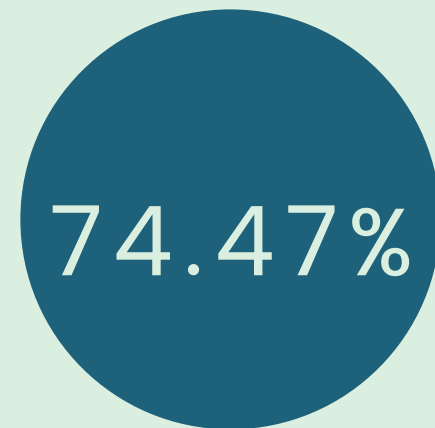
## Kas šokolaaditahvliis on lisatud suhkruid?



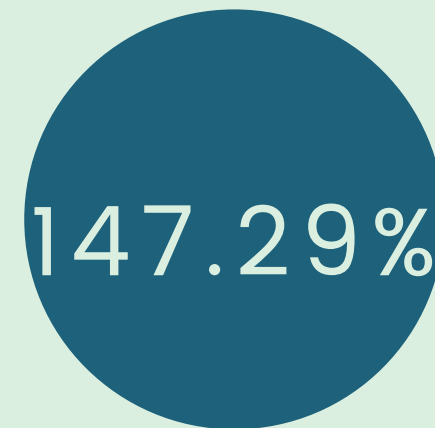
S\* (Sweetener other than sugar or beet sugar)

BINAARNE

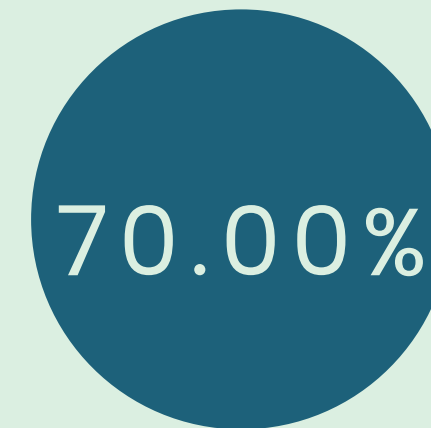
# KAKAO PROTSENTS



Keskmine



Standardhälve



Mood



Mediaan



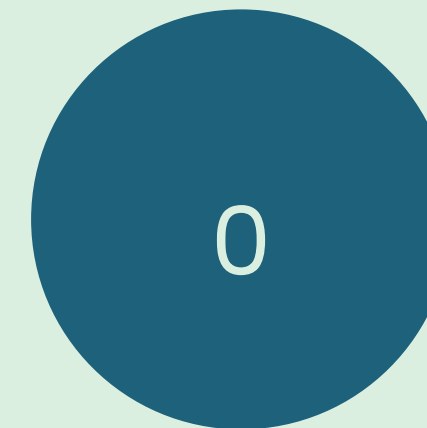
# LISATUD SUHKRUD



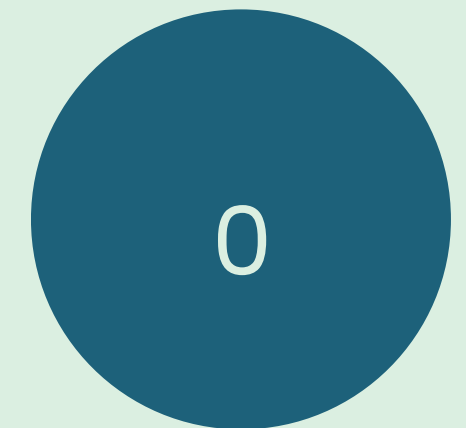
Keskmine



Standardhälve



Mood



Mediaan

**0 – pole lisatud suhkruid**  
**1 – on lisatud suhkruid**

# HINNANG

## 1-5

3.21

Keskmine

0.43

Standardhälve

3.50

Mood

3.25

Mediaan

# KUI PALJU ON SEOTUD ŠOKOLAADITAHVLITE KAKAO PROTSENT NENDE HINNANGUTEGA?

	<i>Hinnang</i>				
<i>Kakao protsent</i>	1.00 - 2.00	2.00 - 3.00	3.00 - 4.00	4.00 - 5.00	Üldkokkuvõte
0.4 - 0.5		2			2
0.5 - 0.6		13	15		28
0.6 - 0.7	2	66	253	16	337
0.7 - 0.8	3	378	1419	94	1894
0.8 - 0.9	1	57	115	1	174
> 0.9	1	4	6		11
<b>Üldkokkuvõte</b>	<b>7</b>	<b>520</b>	<b>1808</b>	<b>111</b>	<b>2446</b>

# PROBLEEMID

## ANDMEKOGU

palju andmekogusid  
kindlad kriteeriumid

## KODEERIMINE

võitlus exceliga  
üle korregeerimine

## TÖÖTLUS

korrastamine/sorteerimine  
suur maht – ei saa käsitsi

## TABELID

pole enam põhikool  
errorid