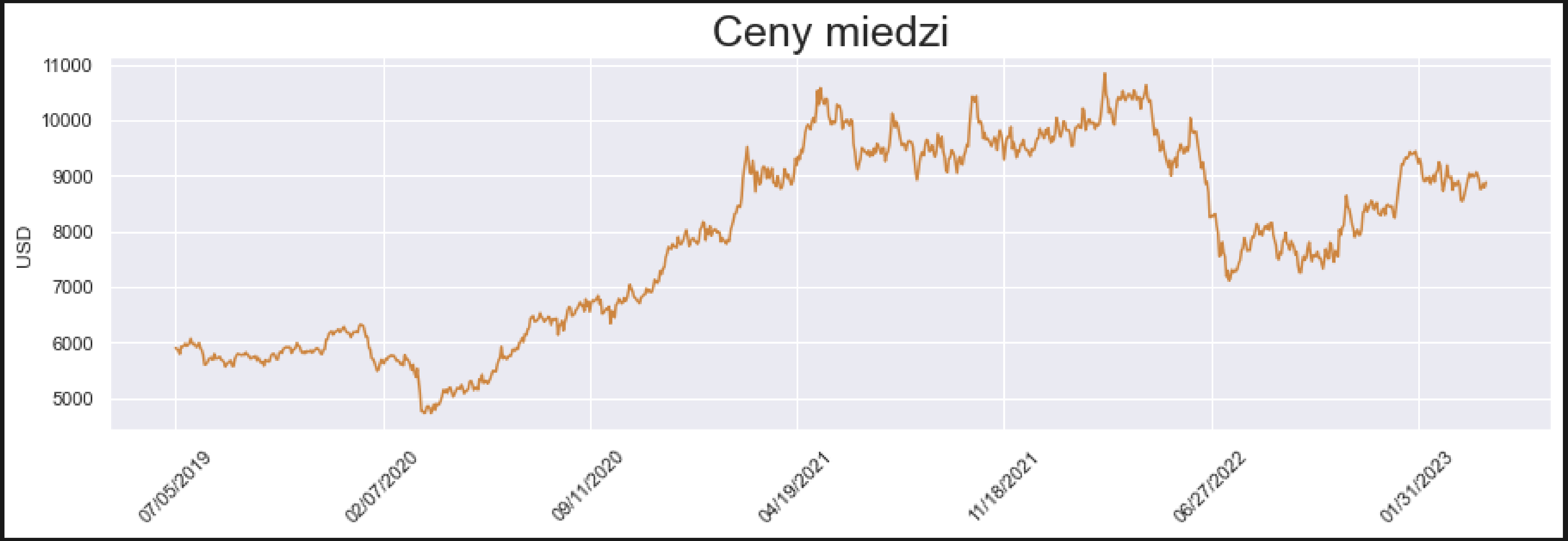
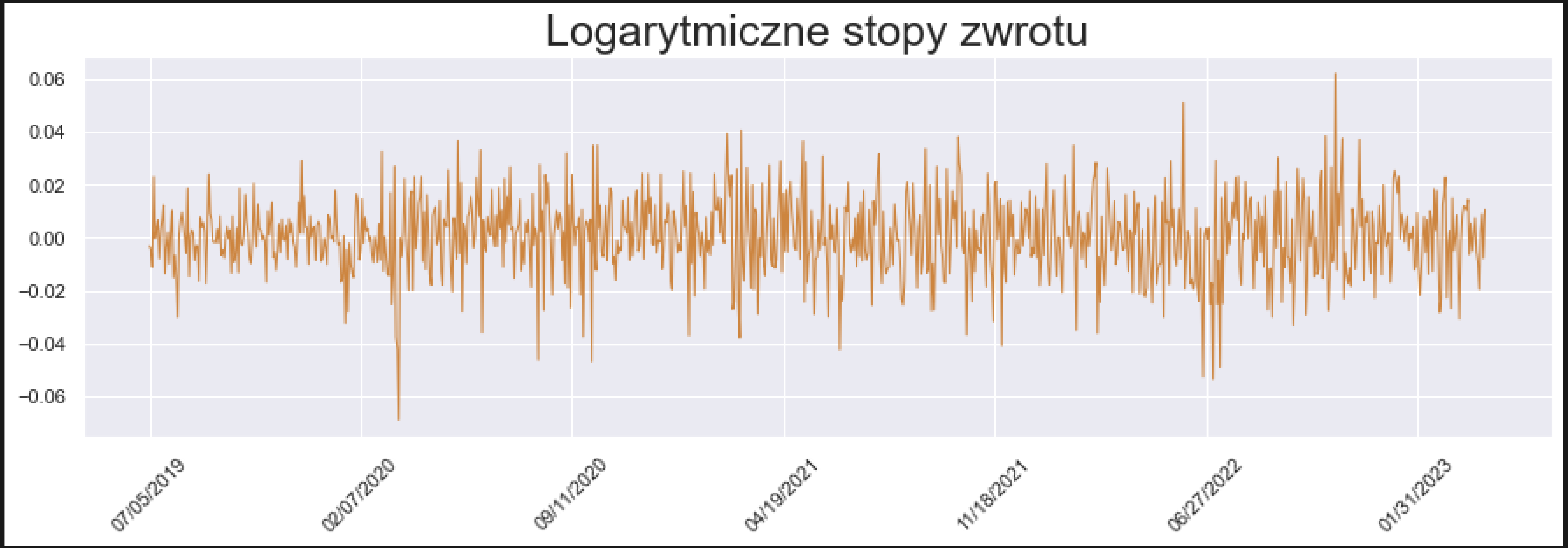
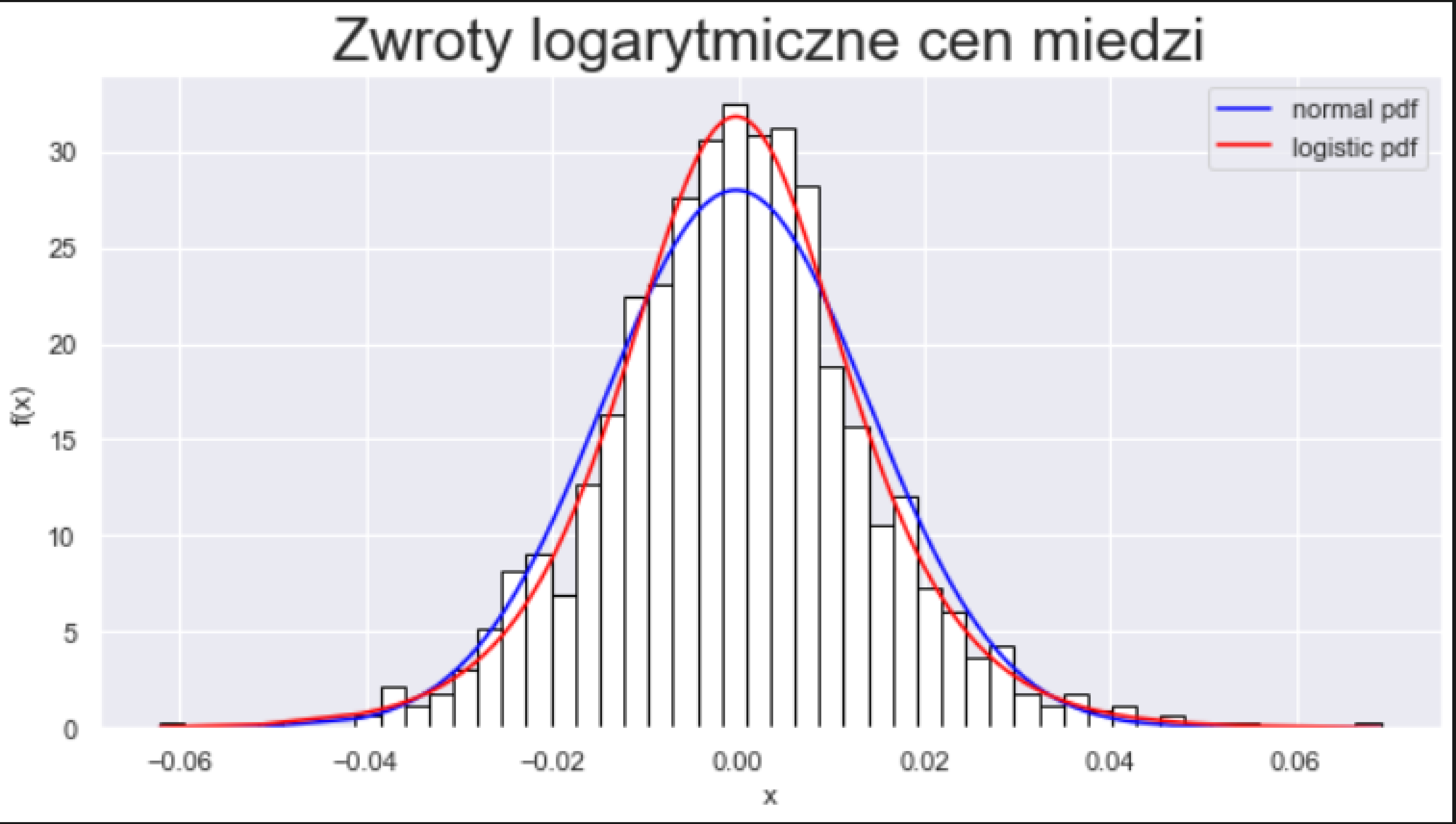
Zarządzanie ryzykiem w firmie NVIDIA

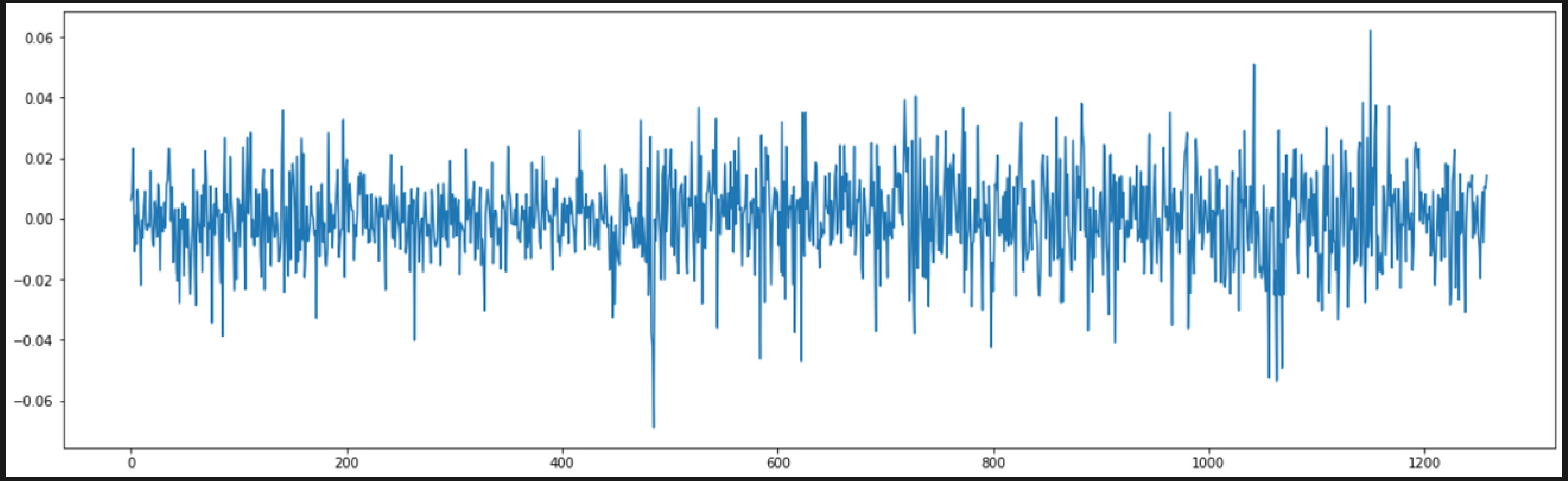
ANALIZOWANA ZMIENNA RYZYKA

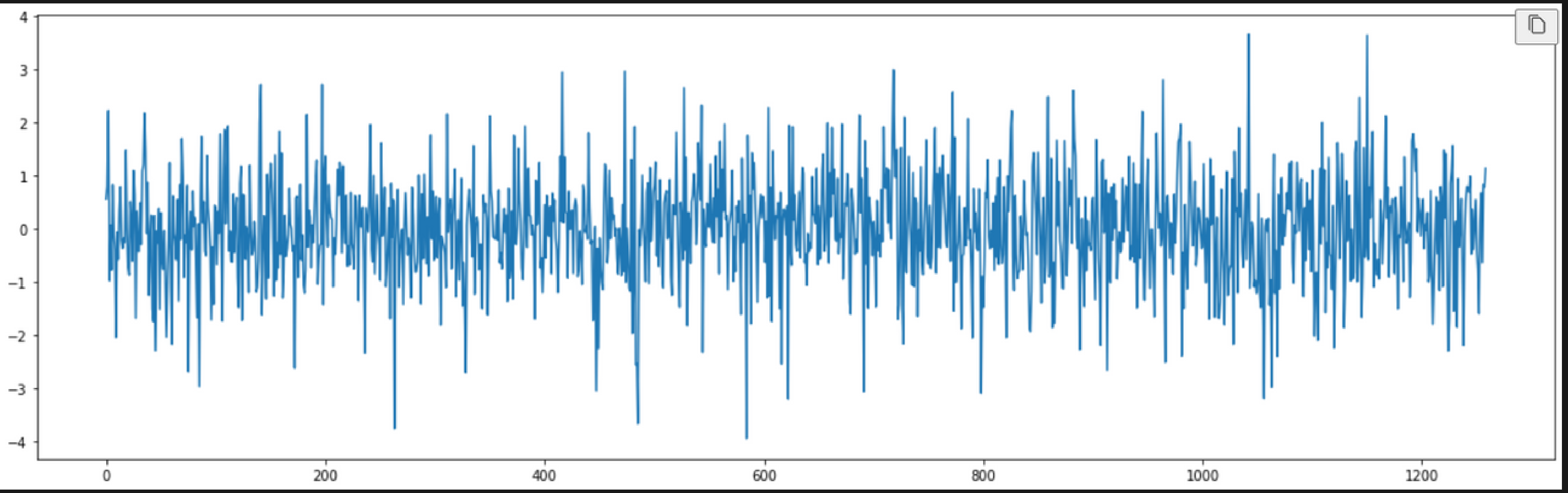
-> CENA MIEDZI

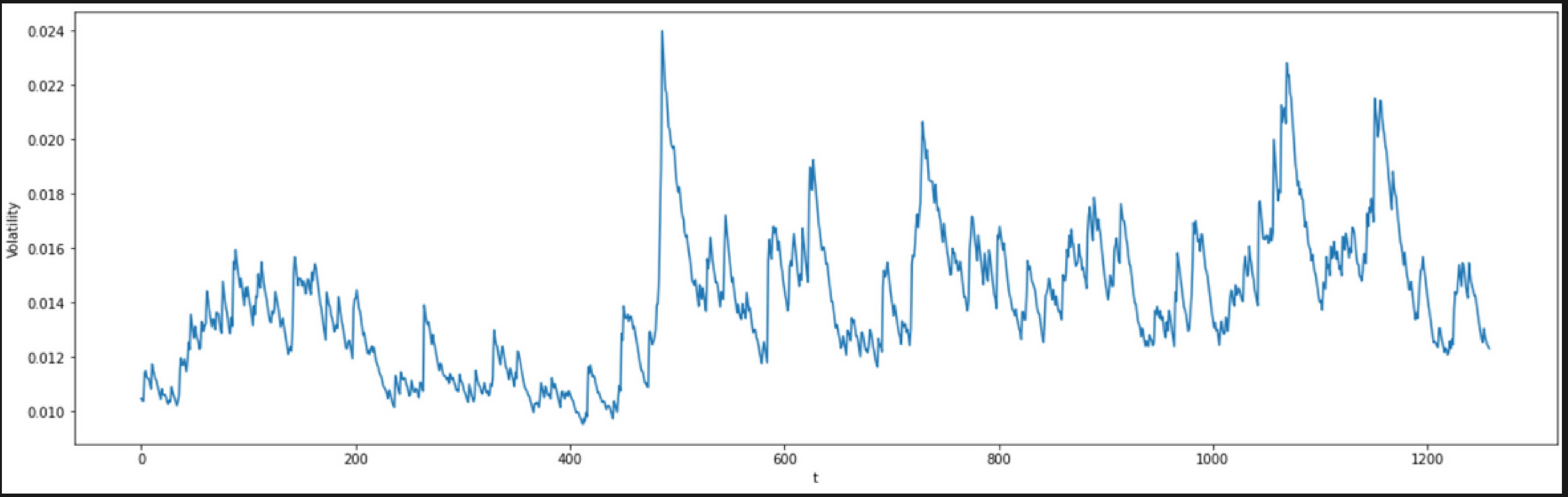

Ceny miedzi
USD
11000
10000
9000
8000
7000
6000
5000
07/05/2019
02/07/2020
09/11/2020
04/19/2021
11/18/2021
06/27/2022
01/31/2023


Logarytmiczne stopy zwrotu
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
07/05/2019
02/07/2020
09/11/2020
04/19/2021
11/18/2021
06/27/2022
01/31/2023


Zwroty logarytmiczne cen miedzi
normal pdf
logistic pdf
f(x)
x
0
5
10
15
20
25
30
−0.06
−0.04
−0.02
0.00
0.02
0.04
0.06

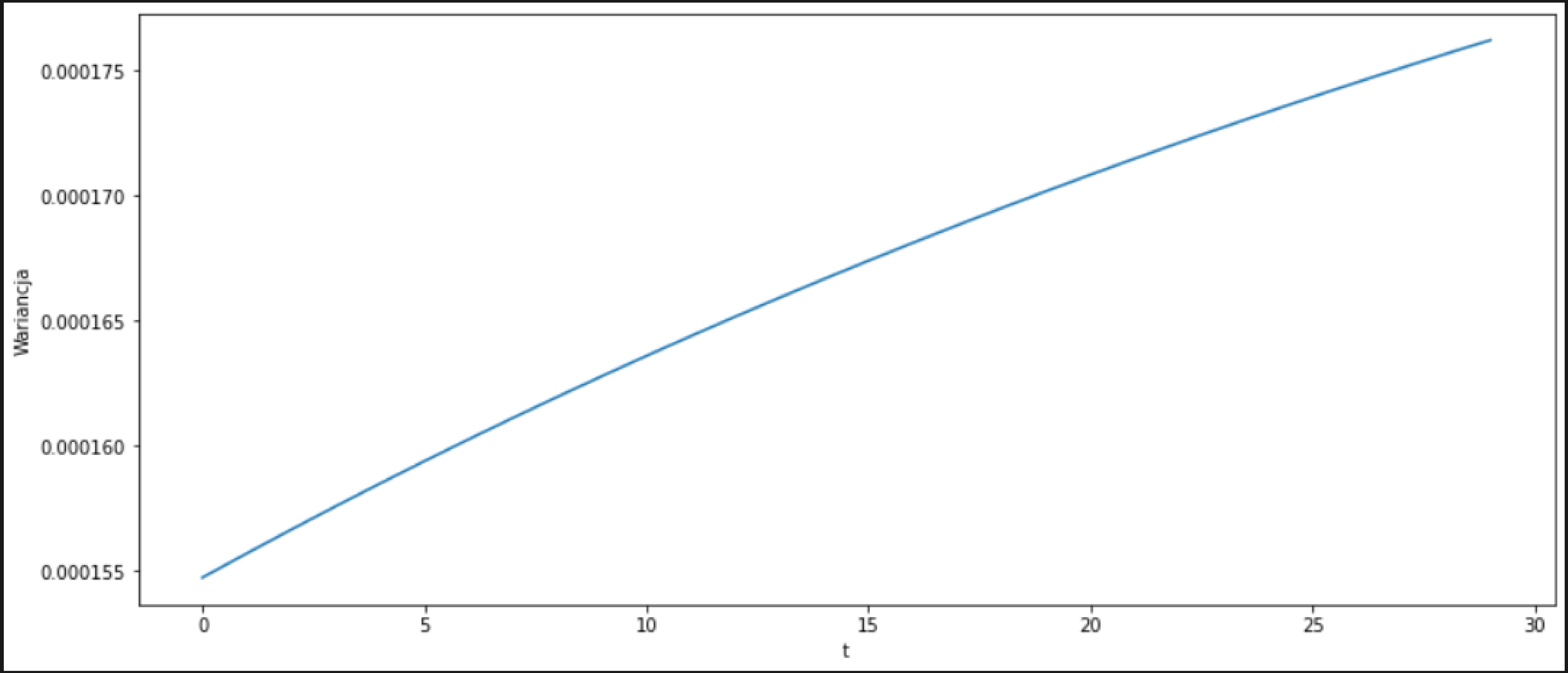

0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
0
200
400
600
800
1000
1200


4
3
2
1
0
−1
−2
−3
−4
0
200
400
600
800
1000
1200


Volatility
0.024
0.022
0.020
0.018
0.016
0.014
0.012
0.010
0
200
400
600
800
1000
1200
t

Model GARCH

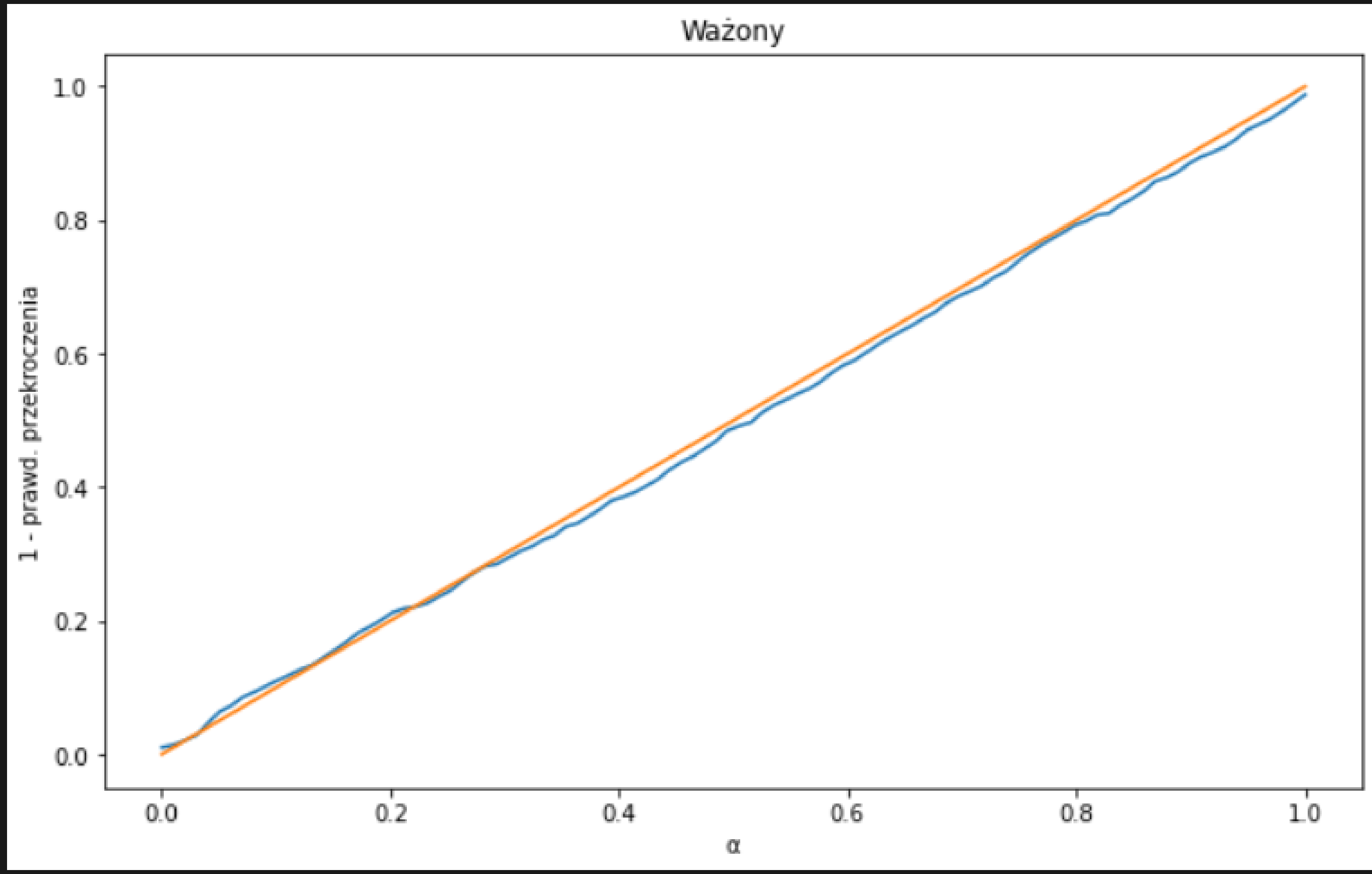
Predykcja wariancji na 30 dni



Kwantyle

VaR	Param.	Empir.	Ważony	GARCH jutro	GARCH za miesiąc	ARMA jutro	ARMA za miesiąc
0.95	0.0229	0.0235	0.0245	0.0206	0.022	0.0235	0.0234
0.99	0.0359	0.0376	0.0308	0.0297	0.0317	0.0331	0.023

Testowanie wsteczne


Ważony
1 - prawd. przekroczenia
α
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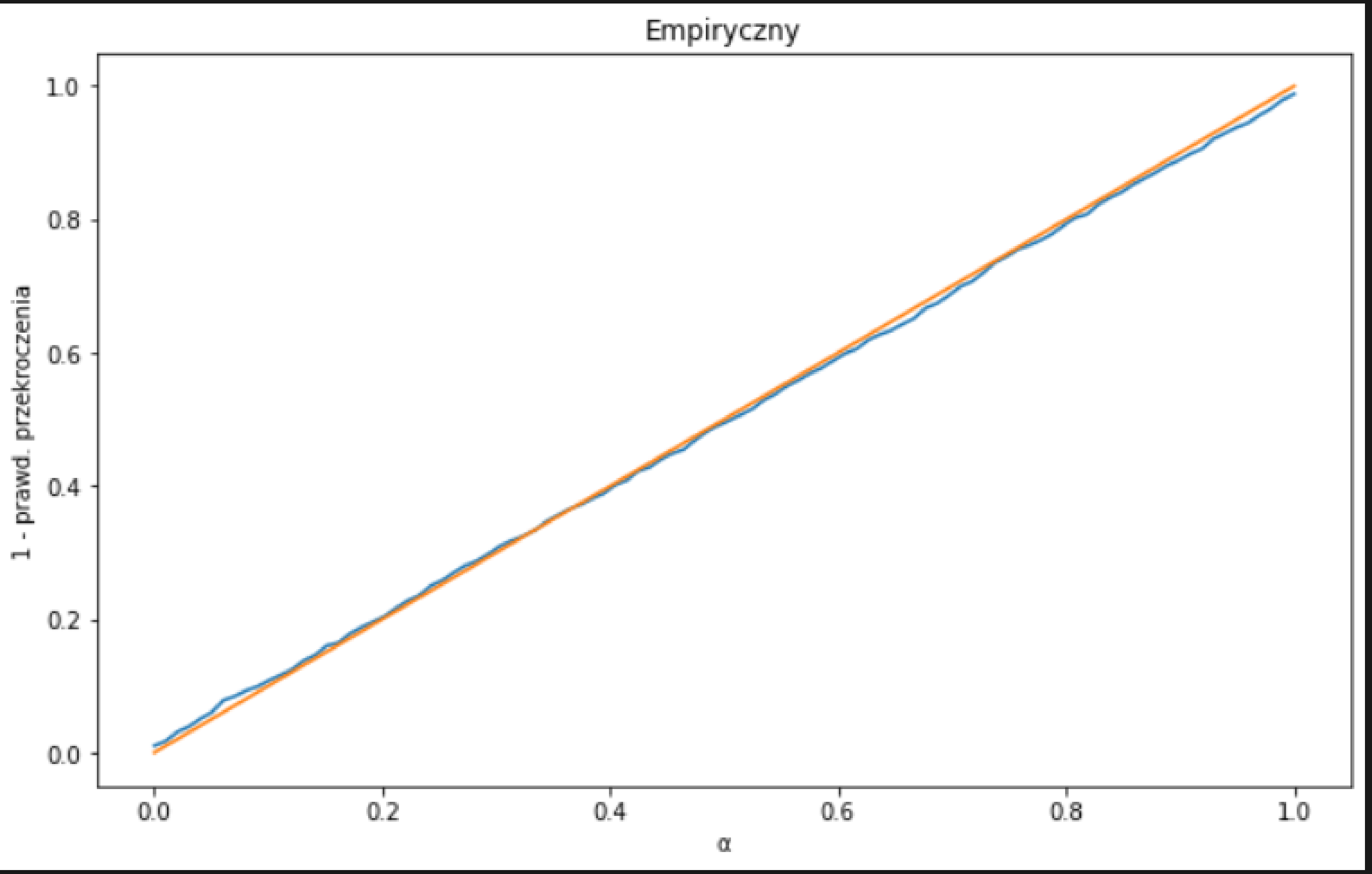
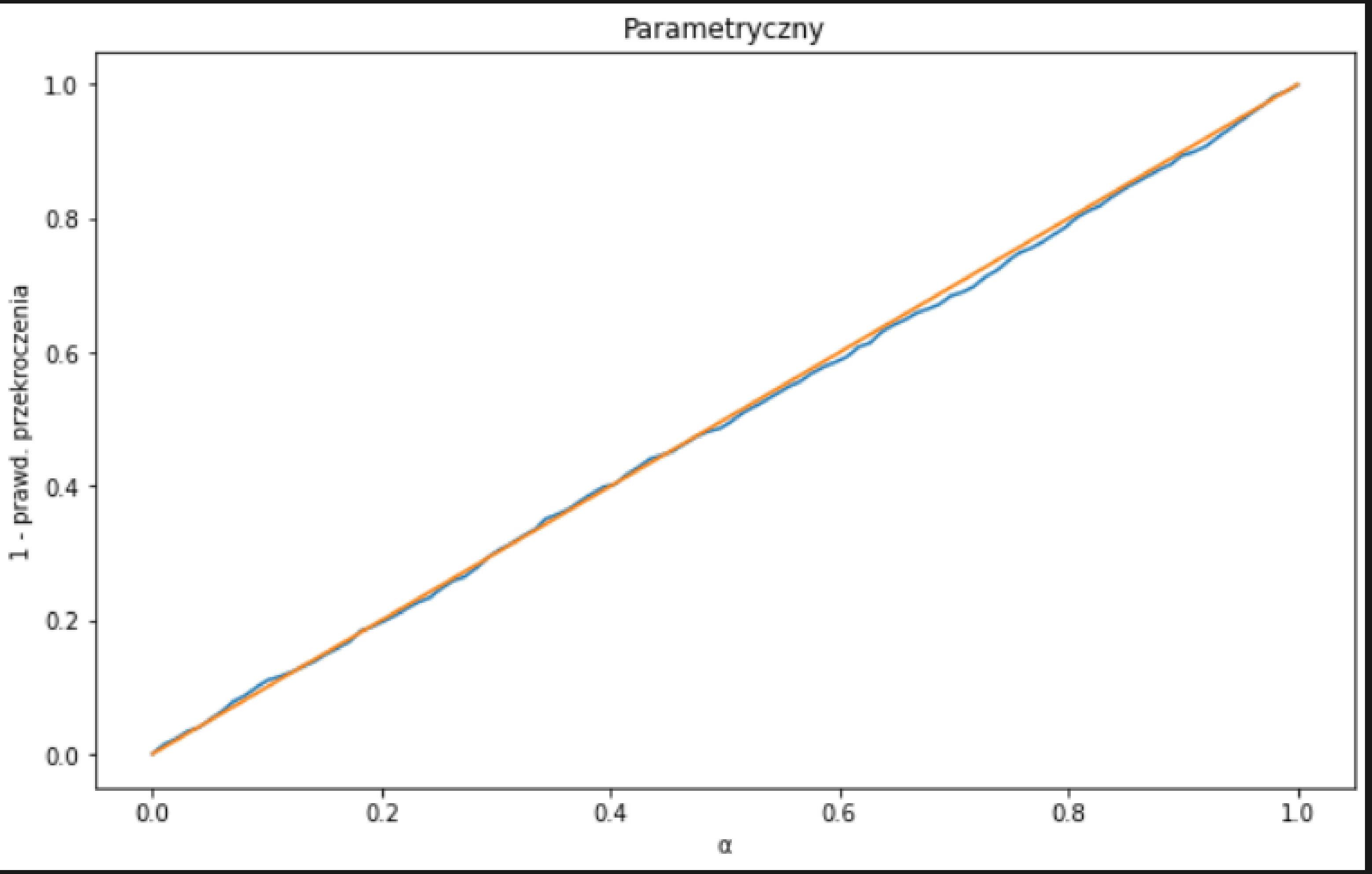
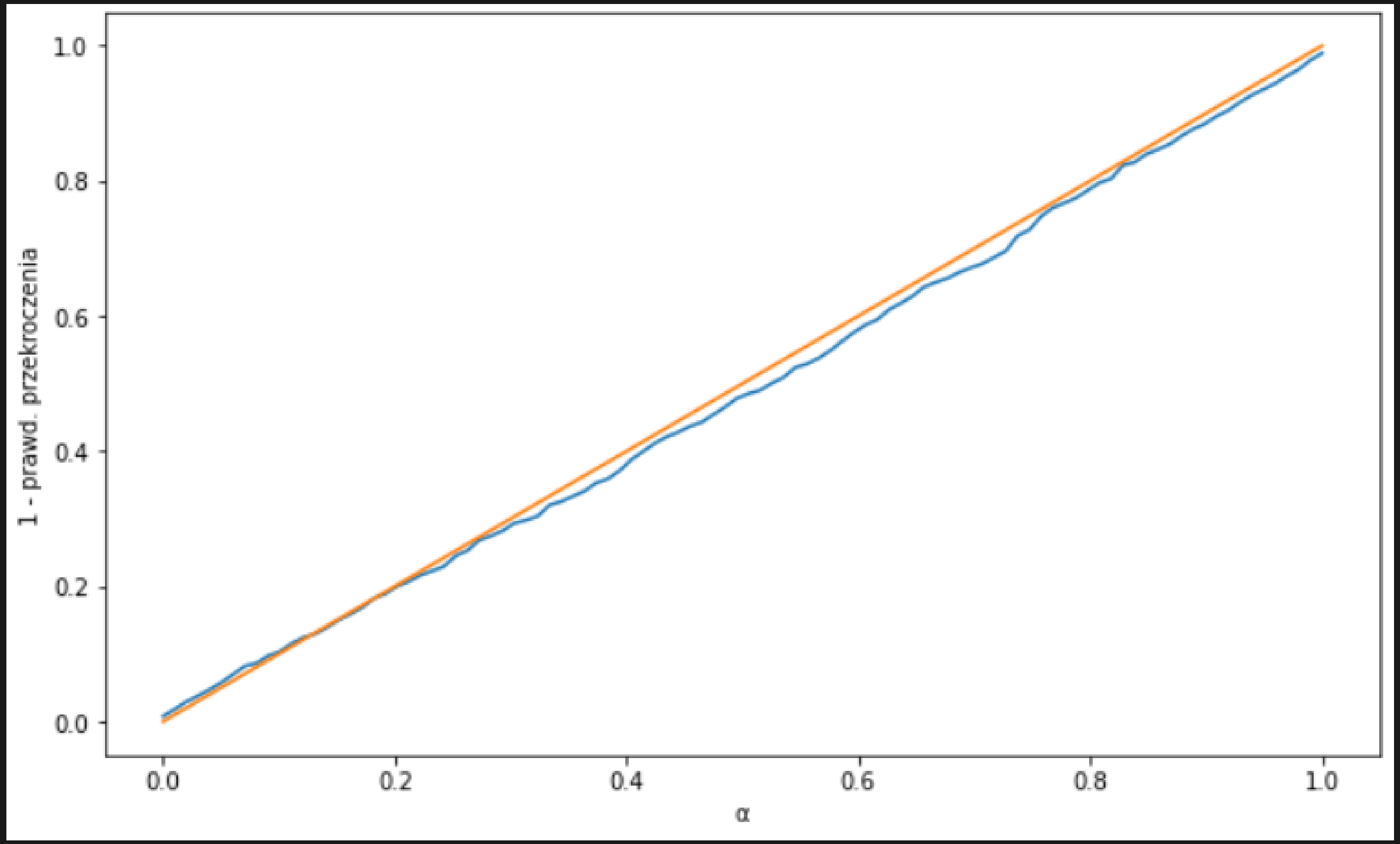
0.2
0.4
0.6
0.8
1.0

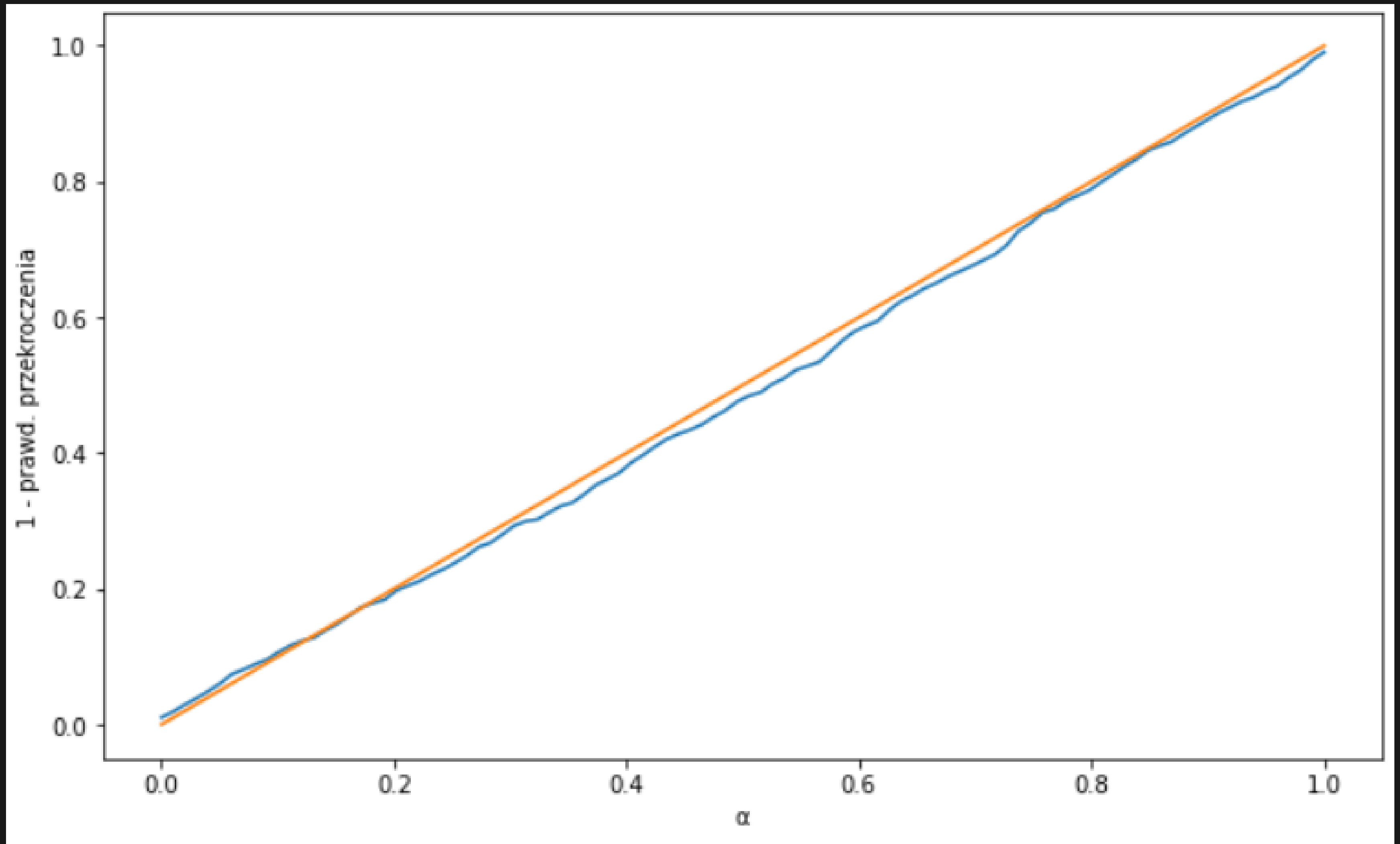

Empiryczny
1 - prawd. przekroczenia
α
0.0
0.2
0.4
0.6
0.8
1.0


Parametryczny
1 - prawd. przekroczenia
α
0.0
0.2
0.4
0.6
0.8
1.0

GARCH jutro



GARCH za 30 dni



Test Kupca

VaR	Param.	Empir.	Ważony	GARCH jutro	GARCH za miesiąc
0.95	0.0229	0.0235	0.0245	0.0206	0.022
0.99	0.0359	0.0376	0.0308	0.0297	0.0317

Dziękujemy za uwagę

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Michał Wiktorowski

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Damian Szüster