ECB Statistical Data Warehouse

1) Select the relevant date range of the daily exchange rates corresponding to the reporting period on the <u>ECB Statistical Data Warehouse website</u>.

Parameters and Tra	ansformations 🔞	× Reset Settings		
Date Range:		01-01-2021 to	31-12-2022	DD-MM-YYYY
Date settings apply to every	/ page of the portal exc	ept Quick View pages))	
ransformation:		none	~	
Common Descriptio	n 😧			
Common Description	n 😧 Exchange Rates			
Dataset name: Frequency:	n ? Exchange Rates Daily			
Common Description Dataset name: Frequency: Currency:	n ? Exchange Rates Daily Croatian kuna			
Common Description Dataset name: Frequency: Currency: Currency: Currency denominator:	n ? Exchange Rates Daily Croatian kuna Euro			
Common Description Dataset name: Frequency: Currency: Currency denominator: Exchange rate type:	n ? Exchange Rates Daily Croatian kuna Euro Spot			

2) This filtered data can be download in Excel (csv) format.

+ Add to My Data	📥 Download Data	🕒 Print	8
	CSV - Character Se Excel (csv) XML (SDMX-ML) 2.0	parated	

Excel

3) The Excel downloaded will include the dates and the amounts aggregated in one single column.

Period\Unit:,[Croati	an kuna]
2022-12-30,7.5365	
2022-12-29,7.5365	
2022-12-28,7.5365	
2022-12-27,7.5375	
2022-12-23,7.5370	
2022-12-22,7.5380	
2022-12-21,7.5419	
2022-12-20,7.5471	
2022-12-19,7.5395	
2022-12-16,7.5385	
2022-12-15,7.5395	
2022-12-14,7.5380	
2022-12-13,7.5495	
2022-12-12,7.5540	
2022-12-09,7.5550	
2022-12-08,7.5553	
2022-12-07,7.5525	
2022-12-06,7.5563	

4) Select this column containing all the aggregated information. The information therein can be separated in two columns through the Convert Text to Columns Wizard tool.

Data	Review View Dev	eloper Acrobat	♀ Tell me wh	at you want to do	
Queries	Connections		🗽 Clear	🕋 📴 Flash Fill	∃ ∗¤ Consolidate
Table	Properties		Reapply	Remove Duplicates	¤⊲ Relationships
nt Sources	All - 🔓 Edit Links	AU Soft Filter	🏷 Advanced	Columns 🗟 Data Validation 🔹	🔞 Manage Data Model
form	Connections	Sort & F	ilter	Data Too	ls

5) Confirm that the data is 'Delimited'.



6) Apply the delimiter 'Comma'.

Convert Text to Colu	mns Wizard - Ste	ep 2 of 3		?	\times
This screen lets you so in the preview below.	et the delimiters)	our data contains.	You can see how your	r text is aff	fected
Delimiters Iab Semicolon Comma Space Other:	T <u>r</u> eat consec Text <u>q</u> ualifier:	cutive delimiters as	one		

7) Select the second column with the amounts under 'Data preview' and click on the 'Advanced' options.

Convert Text to Columns Wizard -	Step 3 of 3	?	\times
This screen lets you select each colu Column data format <u>G</u> eneral <u>T</u> ext <u>D</u> ate: DMY Do not <u>i</u> mport column (skip)	Imn and set the Data Format. 'General' converts numerity alors to numbers to dates, and all remaining to ues to text. <u>A</u> dvanced	s, date va	alues
D <u>e</u> stination: SAS1 Data <u>p</u> review	Π		<u>↑</u>
General General 2022-12-30 7.5365 2022-12-29 7.5365 2022-12-28 7.5365 2022-12-27 7.5375 2022-12-23 7.5370		>	^ ~
	Cancel < <u>B</u> ack Next >	<u>F</u> inis	h

8) Change the 'decimal separator' to a dot (".") and the 'thousands separators' to a comma (".")

Advanced Text Import S	ettings	?	×	
Settings used to recogni	ze numeric dat	a		
Decimal separator:	. ~	·		
<u>T</u> housands separator:	, ~	•		
Note: Numbers will be displayed using the numeric settings specified in the Regional Settings control panel.				
<u>R</u> eset 🗹 Tra	iling <u>m</u> inus fo	r negative i	numbers	
	ОК	Ca	ancel	

9) Press 'Finish' to generate the second column.

Convert Text to Columns Wizard -	Step 3 of 3	?	\times
This screen lets you select each colo Column data format General <u>I</u> ext <u>D</u> ate: DMY Do not <u>i</u> mport column (skip)	umn and set the Data Format. 'General' converts numeric values to numbe to dates, and all remaining values to text. <u>A</u> dvanced	rs, date v	alues
D <u>e</u> stination: \$A\$6			1
Data preview			7
General General 2022-12-30 7.5365 2022-12-29 7.5365 2022-12-28 7.5365 2022-12-27 7.5375 2022-12-23 7.5370 <)	^ ~
	Cancel < <u>B</u> ack Next >	<u> </u>	sh

Period\Unit:,[Croatian kuna]

30-12-22	7,5365	
29-12-22	7,5365	
28-12-22	7,5365	
27-12-22	7,5375	
23-12-22	7,537	

10) Finally, the use of the formula "=AVERAGE(XX:YY)" should be applied to calculate the average of the daily exchange rates, by comprising the time period corresponding to the relevant reporting period.