

Problem

How to make the privacy agreement meaningful for the public?

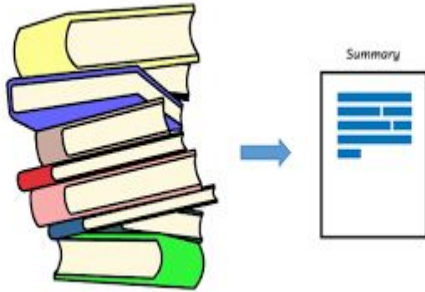


Concerning
Issues

- Personal Information security
- Accessibility - Who can access user's data?
- How to deal with data breach?
- Public awareness
- Comprehending the legal jargons

Our Solutions - #DCode

Text Summarization for users



Alternative to Jargons,
generating concise and
comprehensible policy

Automated QnA



Amplify public awareness on
consumer rights and personal
information usage

ManChinator

**Man + Machine + Rater =
ManChinator**



Accessible to community
as well as machines which
makes it more effective



M2- 20% of text retained

Summarized Text with relevant information
(120 words)

Automated QnA

Model Architecture:

Layer (type)	Output Shape	Param #	Connected to
input_word_ids (InputLayer)	[(None, 384)]	0	
input_mask (InputLayer)	[(None, 384)]	0	
input_type_ids (InputLayer)	[(None, 384)]	0	
keras_layer (KerasLayer)	[(None, 768), (None, 109482241		input_word_ids[0][0] input_mask[0][0] input_type_ids[0][0]
start_logits (Dense)	(None, 384, 1)	768	keras_layer[0][1]
end_logits (Dense)	(None, 384, 1)	768	keras_layer[0][1]
flatten (Flatten)	(None, 384)	0	start_logits[0][0]
flatten_1 (Flatten)	(None, 384)	0	end_logits[0][0]
activation (Activation)	(None, 384)	0	flatten[0][0]
activation_1 (Activation)	(None, 384)	0	flatten_1[0][0]
Total params: 109,483,777			
Trainable params: 109,483,776			
Non-trainable params: 1			

Evaluation metrics: f1
and exact_match

Validation

f1 = 59.2

exact_match = 31.0

Test

f1 = 55.3

exact_match = 27.6

[Prototype
Automator
QnA](#)

Q: What if I am a resident outside of America?

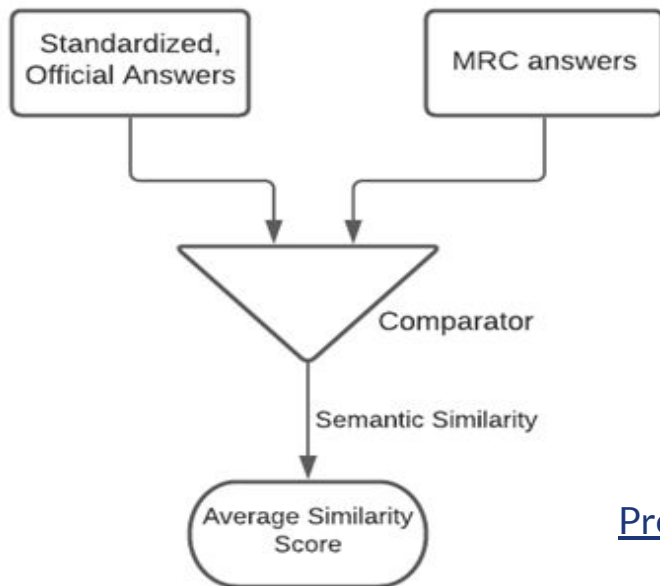
A: If you are a resident of North America, your relationship is with Adobe Inc and the laws of California and the United States apply. If you reside outside of North America, your relationship is with Adobe Systems Software Ireland Limited, which is the controller with regard to your personal information collected by Adobe and the laws of Ireland apply. Please note that in order to use our apps and websites, you authorise Adobe to transfer your personal information across national borders.

Q: Will they expose the data collected from me in social networking sites?

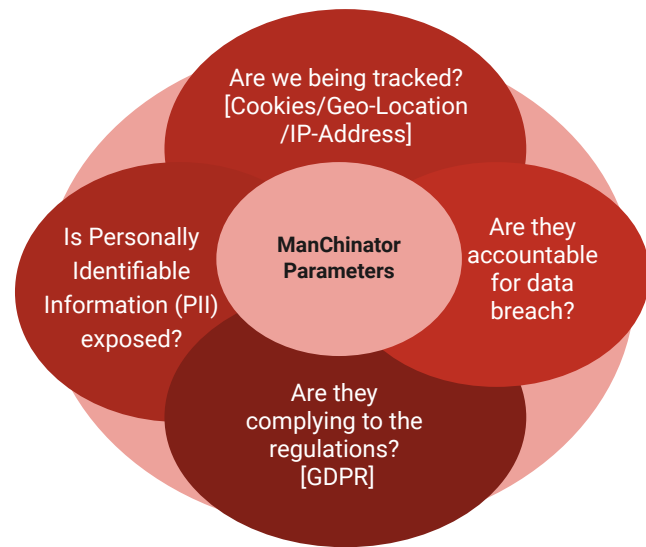
A: We will obtain your permission before sending you news and promotional material about Adobe, accessing information stored on your device relating to your use and engagement with, websites and apps and crash reports, and analysing your content. You can withdraw your consent to such activities at any time. This policy explains when we process personal information for our legitimate interests. You can ask us to stop processing this information. We use your personal information to enable you to register with Adobe and to provide you with our websites and apps and other products or services that you request. We provide interactive features that engage with social media sites

Evaluation of Policy Agreement using ManChinator

Semantic Comparator



[Prototype Link - Comparator](#)



```
x ← average(comparatorScore)
effectivenessFlag ← False
if x ≥ 0.6 then
    effectivenessFlag ← True
else
    effectivenessFlag ← False
end if
```
