Problem

How to make the privacy agreement meaningful for the public?



Concerning Issues

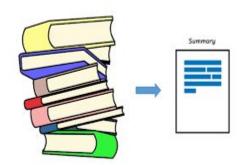
- Personal Information security
- Accessibility Who can access user's data?
- How to deal with data breach?
- Public awareness
- Comprehending the legal jargons

Our Solutions - #DCode

Text Summarization for users

Automated QnA

ManChinator



Alternative to Jargons, generating concise and comprehensible policy



Amplify public awareness on consumer rights and personal information usage

Man + Machine + Rater = ManChinator



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

Extraction-Based Text Summarization for users

The Adobe Privacy Policy describes the privacy practices of Adobe apps and websites. 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

Please note that in order to use our apps and websites, you subbories Adobe to transfer your personal information across national borders and to other countries where Adobe and its partners operate, including the United States. The privacy protections and rights of surborities to access your information in these countries may not be equivalent to those in

your country.

We will only transfer your personal information to these countries where permitted to do so by law and we will take steps intended to ensure that your personal information continues to receive appropriate protections.

with regard to your personal information collected by Adobe and the laws of Ireland apply.

If the content or information that you store on Adobe appe or websites contains personal information of other individuals, you must be legally permitted to share the personal information with Adobe. We will obtain your permission before sending you news and promotional material about Adobe, accessing information stored on your dewice relating to your use and engagement with,

You can withdraw your consent to such activities at any time. This policy applains when we process personal information for our legitization interests. You can ask us to stop processing this information. We use your personal information in one to replace with Adobs and to provide you with our websites and apps and other products or services that you request. We provide interactive Seatures that uneque with social models misses, such as Technolo.

If you use these features, these sites will used us personal information about you. We use cooline and other technologies to track the use of our websizes and appe. There are several places within Adobes websizes and appe that allow you to post consent uplied pictures or submit content which will be publicly evaluable where you choose to participate in these activities. We also discribes personal information to these companies in the Adobbs facility and with adventising and sales partners consistent with your content of the public of the adobbs and the personal public and the public of the adobbs and the public of the adobbs and the public of the publi

We also share information with third parties we engage to process personal information on our behalf or when such sharing is required by law or in certain other situations.

No transfer your personal information to the US and other countries, which may be outside the country in which you live. Me use government approved contractual clauses such as European Commission approved Standard Contractual Clauses to help protect your personal information.

such as Behance, and webbased aspects of the Creative Cloud, Document Cloud and Experience Cloud, Deaktop apps and mobile apps that include a reference to this policy, and Adobes marketing, sales and advertising practices. Please note that websites and apps provided by some companies acquired by Adobe may operate under their own privacy policies until their privacy practices are integrated with Adobes privacy practices. When you register to use an Adobe app or website, create an Adobe ID or contact us for support or other offerings, Adobe collects information that identifies you. To help keep our databases current and to provide you the most relevant content and experiences, we may combine information provided by you with information from third party sources, in accordance with applicable law. For example, the size, industry and other information about the company you work for will be obtained from sources including, professional networking sites and information service providers. We may also collect and receive information from third parties, including partners and from publicly accessible sources, for purposes that include to detect. prevent or otherwise address fraud, security or technical issues, as well as to protect against harm to the rights, property or safety of Adobe and our employees, our users, children or the public. We collect information about how you use our apps and websites, including when you use a desktop app feature that takes you online. Depending on the app or website, this information may be associated with your device or browser or it may be associated with your Adobe account. It includes IP address, Type of browser and device. Webpage that led you to an Adobe website. Search terms entered into a search engine which lead you to an Adobe website. Use and navigation of websites and apps. Analysis of your content which is sent or received using an online feature of an Adobe app or website or which is stored on Adobe servers. When you activate your Adobe app or when you install updates to the app, we collect information about your device, the Adobe app, your product serial number. Emails we send you may include a technology that tells Adobe whether you have received or opened the email or clicked a link in the email. If you do not want us to collect this information, you can opt out of receiving Adobe marketing emails. Adobe advertises online in a variety of ways, including displaying Adobe ads to you on other companies websites and apps and on social media platforms, such as Facebook and LinkedIn. Adobe websites use cookies and similar technologies provided by our own company and other companies that allow us to gather additional information to measure and improve the effectiveness of our advertising. Adobe apps and websites may include buttons, tools or content that link to other companies services. We may collect information about your use of these features, such as content liked and address information in Google Maps. In addition, when you see or interact with these buttons, tools or content or view an Adobe web page or app containing them, some information from your browser may automatically be sent to the other company. Please read that company privacy policy for more information. Adobe websites may implement Google reCAPTCHA Enterprise to help prevent spam and abuse, reCAPTCHA Enterprise collects hardware and software information, such as device as application data and sends it to Google for purposes of providing, maintaining and improving reCAPTCHA Enterprise and for general security purposes. This information is not used by Google for personalized advertising. You can sign in to some Adobe apps or websites using a social networking account, such as a Facebook account. Where you give appropriate permissions, we will receive information about you from your social networking account, such as name, location and basic demographic information. Adobe has its own pages on many social networking sites. Me will collect information which you have made publicly available on your social networking account, such as name and interests in our products and services, when you interact with our social networking pages. The social networking sites may provide statistics and insights to Adobe which help us to understand the types of actions that people take on our pages. Where applicable, Adobe and the social media site have entered into an arrangement which determines our

processed by our services. In such cases, Adobe is acting only on your instructions in order to facilitate the service requested by you and you will be responsible for the information shared. In these instances, we will inform you through inapp notifications

Original Policy (2500+ words) - Adobe



M1-Word count to 120

M2-20% of text retained

<u>Prototype - Text</u> <u>Summarizer</u> 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.

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 may also collect and receive information from third parties, including partners and from publicly accessible sources, for purposes that include to detect, prevent or otherwise address fraud, security or technical issues, as well as to protect against harm to the rights, property or safety of Adobe and our employees, our users, children or the public.

Thirdparty data controllers may also use Adobe products and services to collect and process your personal information.

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_logit (Dense)	(None, 384, 1)	768	keras_layer[0][1]
end_logit (Dense)	(None, 384, 1)	768	keras_layer[0][1]
flatten (Flatten)	(None, 384)	0	start_logit[0][0]
flatten_1 (Flatten)	(None, 384)	0	end_logit[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

Prototype Automator QnA

exact match = 27.6

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.

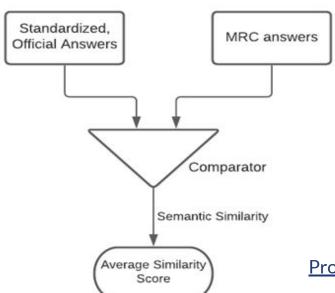
Q: Will they expose the data collected from me in social networking sites?

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 \leftarrow average(comparatorScore)
effectivenessFlag \leftarrow False
if \ x \geq 0.6 \ then
effectivenessFlag \leftarrow True
else
effectivenessFlag \leftarrow False
end \ if
```