Tesseract at UB Mannheim  
The Mannheim University Library (UB Mannheim) uses Tesseract to perform text recognition (OCR = optical character  
recognition) for historical German newspapers (Allgemeine PreuBische Staatszeitung, Deutscher Reichsanzeiger). The latest  
results with text from more than 700000 pages are available online.  
Tesseract installer for Windows  
Normally we run Tesseract on Debian GNU Linux, but there was also the need for a Windows version. That's why we have built  
a Tesseract installer for Windows.  
WARNING: Tesseract should be either installed in the directory which is suggested during the installation or in a new  
directory. The uninstaller removes the whole installation directory. If you installed Tesseract in an existing directory, that  
directory will be removed with all its subdirectories and files.  
The latest installers can be downloaded here:  
  
© tesseract-ocr-w64-setup-5.4.0.20240606.exe (64 bit)  
There are also older versions for 32 and 64 bit Windows available.

In order to maximize Al benefits, we recommend nine steps for  
going forward:  
e Encourage greater data access for researchers without  
compromising users’ personal privacy,  
e invest more government funding in unclassified Al research,  
© promote new models of digital education and Al workforce  
development so employees have the skills needed in the 21°'-  
century economy,  
e create a federal Al advisory committee to make policy  
recommendations,  
engage with state and local officials so they enact effective  
policies,

Qualities of artificial intelligence  
Although there is no uniformly agreed upon definition, Al generally is  
thought to refer to “machines that respond to stimulation consistent  
with traditional responses from humans, given the human capacity  
for contemplation, judgment and intention.” According to  
researchers Shubhendu and Vijay, these software systems “make  
decisions which normally require [a] human level of expertise” and  
help people anticipate problems or deal with issues as they come  
up.4 As such, they operate in an intentional, intelligent, and adaptive

Most people are not very familiar with the concept of artificial  
intelligence (Al). As an illustration, when 1,500 senior business  
leaders in the United States in 2017 were asked about Al, only 17  
percent said they were familiar with it.1 A number of them were not  
sure what it was or how it would affect their particular companies.  
They understood there was considerable potential for altering  
business processes, but were not clear how Al could be deployed  
within their own organizations.  
  
Despite its widespread lack of familiarity, Al is a technology that is  
transforming every walk of life. It is a wide-ranging tool that enable:  
people to rethink how we integrate information, analyze data, and  
use the resulting insights to improve decisionmaking. Our hope  
through this comprehensive overview is to explain Al to an audience  
of policymakers, opinion leaders, and interested observers, and  
demonstrate how Al! already is altering the world and raisina