

Requests

The web contains a lot of information that LLMs do not have access to. In order to easily let LLMs interact with that information, we provide a wrapper around the Python Requests module that takes in a URL and fetches data from that URL.

```
from langchain.utilities import RequestsWrapper
```

```
requests = RequestsWrapper()
```

```
requests.get("https://www.google.com")
```

```
'<!doctype html><html itemscope="" itemtype="http://schema.org/WebPage" lang="en">
<head><meta content="Search the world\'s information, including webpages, images,
videos and more. Google has many special features to help you find exactly what
you\'re looking for." name="description"><meta content="noodp" name="robots"><meta
content="text/html; charset=UTF-8" http-equiv="Content-Type"><meta
content="/logos/doodles/2023/international-womens-day-2023-6753651837109578-1.png"
itemprop="image"><meta content="International Women\'s Day 2023"
property="twitter:title"><meta content="International Women\'s Day 2023!
#GoogleDoodle" property="twitter:description"><meta content="International
Women\'s Day 2023! #GoogleDoodle" property="og:description"><meta
content="summary_large_image" property="twitter:card"><meta
content="@GoogleDoodles" property="twitter:site"><meta
content="https://www.google.com/logos/doodles/2023/international-womens-day-2023-
6753651837109578-2x.png" property="twitter:image"><meta
content="https://www.google.com/logos/doodles/2023/international-womens-day-2023-
6753651837109578-2x.png" property="og:image"><meta content="1000"
property="og:image:width"><meta content="400" property="og:image:height">
<title>Google</title><script nonce="skA52jTjrFARNMkurZZTjQ">(function()
{window.google=
{kEI:\'5dkIZP3HJ4WPur8PmJ23iAc\' ,kEXPI:\'0,18168,772936,568305,6059,206,4804,2316,3
83,246,5,1129120,1197787,614,165,379924,16115,28684,22431,1361,12313,17586,4998,132
28,37471,4820,887,1985,2891,3926,7828,606,29842,826,19390,10632,15324,432,3,346,124
4,1,5444,149,11323,2652,4,1528,2304,29062,9871,3194,11443,2215,2980,10815,7428,5821
,2536,4094,7596,1,42154,2,14022,2373,342,23024,5679,1021,31121,4569,6258,23418,1252
,5835,14967,4333,7484,445,2,2,1,24626,2006,8155,7381,2,3,15965,872,9626,10008,7,192
2,5784,3995,19130,2261,14763,6304,2008,18192,927,14678,4531,14,82,16514,3692,109,15
13,899,879,2226,2751,1854,1931,156,8524,2426,721,1021,904,1423,4415,988,3030,426,56
84,1411,23,867,2685,4720,1300,504,567,6974,9,184,26,469,2238,5,1648,109,1127,450,67
```

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```
,1174,601,310,611,27,54,49,398,51,238,1079,67,3232,710,1652,82,5,667,2077,544,3,15,
2,24,497,977,40,338,224,119,101,149,4,4,129,218,25,683,1,378,533,382,284,189,143,5,
204,393,1137,781,4,81,1558,241,104,5232351,297,152,8798692,3311,141,795,19735,302,4
6,23950484,553,4041590,1964,1008,15665,2893,512,5738,12560,1540,1218,146,1415332\',
kBL:\'Td3a\';google.sn=\'webhp\';google.kHL=\'en\';})();(function(){\nvar
f=this||self;var h,k=[];function l(a){for(var b;a&&(!a.getAttribute||
(b=a.getAttribute("eid"))));a=a.parentNode;return b||h}function m(a){for(var
b=null;a&&(!a.getAttribute||!(b=a.getAttribute("leid"))));a=a.parentNode;return
b}\nfunction n(a,b,c,d,g){var e="";c||-1!==b.search("&ei=")||
(e="&ei="+l(d),-1===b.search("&lei=")&&(d=m(d))&&
(e+="&lei="+d));d="";!c&&f._cshid&&-1===b.search("&cshid=")&&"slh"!==a&&
(d="&cshid="+f._cshid);c=c||"/"+(g||"gen_204")+"?
atyp=i&ct="+a+"&cad="+b+e+"&zcx="+Date.now()+d;/^http:/i.test(c)&&"https:"===window.
location.protocol&&(google.ml&&google.ml(Error("a"),!1,
{src:c,glmm:1}),c="");return
c};h=google.kEI;google.getEI=l;google.getLEI=m;google.ml=function(){return
null};google.log=function(a,b,c,d,g){if(c=n(a,b,c,d,g)){a=new Image;var
e=k.length;k[e]=a;a.onerror=a.onload=a.onabort=function(){delete
k[e]};a.src=c};google.logUrl=n;}).call(this);(function(){google.y={};google.sy=
[];google.x=function(a,b){if(a)var c=a.id;else{do
c=Math.random();while(google.y[c])}google.y[c]=
[a,b];return!1};google.sx=function(a){google.sy.push(a)};google.lm=
[];google.plm=function(a){google.lm.push.apply(google.lm,a)};google.lq=
[];google.load=function(a,b,c)
{google.lq.push([[a],b,c)]};google.loadAll=function(a,b)
{google.lq.push([a,b]);google.bx=!1;google.lx=function(){}}.call(this);google.f=
{};(function(){\ndocument.documentElement.addEventListener("submit",function(b)
{var a;if(a=b.target){var c=a.getAttribute("data-
submitfalse");a="1"===c||"q"===c&&!a.elements.q.value?!0:!1}else a=!1;a&&
(b.preventDefault(),b.stopPropagation()),!0);document.documentElement.addEventList
ener("click",function(b){var a;a:
{for(a=b.target;a&&a!==document.documentElement;a=a.parentElement)if("A"===a.tagNam
e){a="1"===a.getAttribute("data-nohref");break
a}a=!1}a&&b.preventDefault(),!0);}).call(this);</script><style>#gbar,#guser{font-
size:13px;padding-top:1px !important;}#gbar{height:22px}#guser{padding-bottom:7px
!important;text-align:right}.gbh,.gbd{border-top:1px solid #c9d7f1;font-
size:1px}.gbh{height:0;position:absolute;top:24px;width:100%}@media
all{.gb1{height:22px;margin-right:.5em;vertical-
align:top}#gbar{float:left}}a.gb1,a.gb4{text-decoration:underline
!important}a.gb1,a.gb4{color:#00c !important}.gbi .gb4{color:#dd8e27
!important}.gbf .gb4{color:#900 !important}\n</style><style>body,td,a,p,.h{font-
family:arial,sans-serif}body{margin:0;overflow-y:scroll}#gog{padding:3px 8px
0}td{line-height:.8em}.gac_m td{line-height:17px}form{margin-
bottom:20px}.h{color:#1558d6}em{font-weight:bold;font-
style:normal}.lst{height:25px;width:496px}.gsfi,.lst{font:18px arial,sans-
serif}.gsfs{font:17px arial,sans-serif}.ds{display:inline-block;display:inline-
block;margin:3px 0 4px;margin-left:4px}input{font-
family:inherit}body{background:#fff;color:#000}a{color:#4b11a8;text-
decoration:none}a:hover,a:active{text-decoration:underline}.fl
a{color:#1558d6}a:visited{color:#4b11a8}.sblc{padding-top:5px}.sblc
a{display:block;margin:2px 0;margin-left:13px;font-
size:11px}.lsbb{background:#f8f9fa;border:solid 1px;border-color:#dadce0 #70757a
#70757a #dadce0;height:30px}.lsbb{display:block}#WqQANb a{display:inline-
block;margin:0 12px}.lsbf{background:url(/images/nav_logo220.png) 0 -261px repeat
```

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```

align:top}.lsb:active{background:#dadce0}.lst:focus{outline:none}</style><script
nonce="skA52jTjrFARNMkurZZTjQ">(function(){window.google.erd=
{jsr:1,bv:1756,de:true};\nvar h=this||self;var k,l=null!=(k=h.mei)?k:1,n,p=null!=
(n=h.sdo)?n:!0,q=0,r,t=google.erd,v=t.jsr;google.ml=function(a,b,d,m,e){e=void
0===e?2:e;b&&(r=a&&a.message);if(google.dl)return google.dl(a,e,d),null;if(0>v)
{window.console&&console.error(a,d);if(-2===v)throw a;b=!1}else
b=!a||!a.message||"Error loading script"===a.message||q>=1&&!m?!1:!0;if(!b)return
null;q++;d=d||{};b=encodeURIComponent;var c="/gen_204?
atyp=i&ei="+b(google.kEI);google.kEXPI&&
(c+="&jexpid="+b(google.kEXPI));c+="&srcpg="+b(google.sn)+"&jsr="+b(t.jsr)+"&bver="
+b(t.bv);var f=a.lineNumber;void 0!==f&&(c+="&line="+f);var g=\na.fileName;g&&
(0<g.indexOf("-extension:/"))&&
(e=3),c+="&script="+b(g),f&&g===window.location.href&&
(f=document.documentElement.outerHTML.split("\n")[f],c+="&cad="+b(f?
f.substring(0,300):"No script found."));c+="&jsel="+e;for(var u in
d)c+="&",c+=b(u),c+="=",c+=b(d[u]);c+="&emsg="+b(a.name+":
"+a.message);c+="&jsst="+b(a.stack||"N/A");12288<=c.length&&
(c=c.substr(0,12288));a=c;m|google.log(0,"",a);return
a};window.onerror=function(a,b,d,m,e){r!==a&&(a=e instanceof Error?e:Error(a),void
0===d||"lineNumber"in a||(a.lineNumber=d),void 0===b||"fileName"in a||
(a.fileName=b),google.ml(a,!1,void
0,!1,"SyntaxError"===a.name||"SyntaxError"===a.message.substring(0,11)||-1!==a.mess
age.indexOf("Script error")?3:0));r=null;p&&q>=1&&(window.onerror=null)};})();
</script></head><body bgcolor="#fff"><script nonce="skA52jTjrFARNMkurZZTjQ">
(function(){var src=\'/images/nav_logo229.png\';var
iesg=false;document.body.onload = function(){window.n && window.n());if
(document.images){new Image().src=src;}\nif (!iesg)
{document.f&&document.f.q.focus();document.gbqf&&document.gbqf.q.focus();}\n}\n})
();</script><div id="mngb"><div id=gbar><nobr><b class=gb1>Search</b> <a class=gb1
href="https://www.google.com/imghp?hl=en&tab=wi">Images</a> <a class=gb1
href="https://maps.google.com/maps?hl=en&tab=w1">Maps</a> <a class=gb1
href="https://play.google.com/?hl=en&tab=w8">Play</a> <a class=gb1
href="https://www.youtube.com/?tab=w1">YouTube</a> <a class=gb1
href="https://news.google.com/?tab=wn">News</a> <a class=gb1
href="https://mail.google.com/mail/?tab=wm">Gmail</a> <a class=gb1
href="https://drive.google.com/?tab=wo">Drive</a> <a class=gb1 style="text-
decoration:none" href="https://www.google.com/intl/en/about/products?tab=wh">
<u>More</u> &raquo;</a></nobr></div><div id=guser width=100%><nobr><span id=gbn
class=gb1></span><span id=gbf class=gbf></span><span id=gbe></span><a
href="http://www.google.com/history/optout?hl=en" class=gb4>Web History</a> | <a
href="/preferences?hl=en" class=gb4>Settings</a> | <a target=_top id=gb_70
href="https://accounts.google.com/ServiceLogin?
hl=en&passive=true&continue=https://www.google.com/&ec=GAZAAQ" class=gb4>Sign
in</a></nobr></div><div class=gbh style=left:0></div><div class=gbh style=right:0>
</div></div><center><br clear="all" id="lgpd"><div id="lga"><a href="/search?
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8&q=International+Women%27s+Day&oi=ddle&ct=207425752&hl=en&si=A
EcPFx5y3cpWB8t3QIlw940Bbgd-HLN-
aNYSTraERzz0WyAsdPcV8Q1bA9KRIH1_r1H1b32dX1TjZQe5B0MVNeLogkX0iB0kfs-S-
hFQYwzzxlKEI54jx7H2iV6NSfskfTE00IkUfobnZU0dHdFeGABAmixr9Gj6a8WKVaZeEhYyauqHyAnlpd4%
3D&sa=X&ved=0ahUKEwi9zuH2gM39AhWFh-4BHZjODXEQPQgD"></div></div></div><div><form action="/search" name="f"><table

```

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```

value="en" name="hl" type="hidden"><input name="source" type="hidden" value="hp">
<input name="biw" type="hidden"><input name="bih" type="hidden"><div class="ds"
style="height:32px;margin:4px 0"><input class="lst" style="margin:0;padding:5px
8px 0 6px;vertical-align:top;color:#000" autocomplete="off" value="" title="Google
Search" maxlength="2048" name="q" size="57"></div><br style="line-height:0"><span
class="ds"><span class="lsbb"><input class="lsb" value="Google Search" name="btnG"
type="submit"></span></span><span class="ds"><span class="lsbb"><input class="lsb"
id="tsuid_1" value="I\'m Feeling Lucky" name="btnI" type="submit"><script
nonce="skA52jTjrFARNMkurZZTjQ">(function(){var
id=\'tsuid_1\';document.getElementById(id).onclick = function(){if
(this.form.q.value){this.checked = 1;if
(this.form.iflsig)this.form.iflsig.disabled = false;}\nelse
top.location=\'/doodles/\';}})();</script><input value="AK50M_UAAAAAZAjn9T7DxAH0-
e8rhw3d8palbJfFsdiBi" name="iflsig" type="hidden"></span></span></td><td class="fl
sblc" align="left" nowrap="" width="25%"><a href="/advanced_search?
hl=en&amp;authuser=0">Advanced search</a></td></tr></table><input id="gbv"
name="gbv" type="hidden" value="1"><script nonce="skA52jTjrFARNMkurZZTjQ">
(function(){var
a,b="1";if(document&&document.getElementById)if("undefined"!=typeof
XMLHttpRequest)b="2";else if("undefined"!=typeof XMLHttpRequest){var c,d,e=
["MSXML2.XMLHTTP.6.0","MSXML2.XMLHTTP.3.0","MSXML2.XMLHTTP","Microsoft.XMLHTTP"];fo
r(c=0;d=e[c++];)try{new XMLHttpRequest(d),b="2"}catch(h)
{}}a=b;if("2"==a&&-1==location.search.indexOf("&gbv=2")){var
f=google.gbvu,g=document.getElementById("gbv");g&&
(g.value=a);f&&window.setTimeout(function(){location.href=f},0)};}).call(this);
</script></form><div id="gac_scont"></div><div style="font-size:83%;min-
height:3.5em"><br><div id="prm"><style>.szppmdbYutt__middle-slot-promo{font-
size:small;margin-bottom:32px}.szppmdbYutt__middle-slot-promo
a.ZIeIlb{display:inline-block;text-decoration:none}.szppmdbYutt__middle-slot-promo
img{border:none;margin-right:5px;vertical-align:middle}</style><div
class="szppmdbYutt__middle-slot-promo" data-ved="0ahUKEwi9zuH2gM39AhWFh-
4BHZjODXEQnIcBCAQ"><span>Celebrate </span><a class="NKcBbd"
href="https://www.google.com/url?q=https://artsandculture.google.com/project/women-
in-
culture%3Futm_source%3Dgoogle%26utm_medium%3Dhppromo%26utm_campaign%3Dinternational
womensday23&amp;source=hpp&amp;id=19034031&amp;ct=3&amp;usg=AOvVaw1Q51Nb9U7JNUznM35
2o8BF&amp;sa=X&amp;ved=0ahUKEwi9zuH2gM39AhWFh-4BHZjODXEQ8IcBCAU"
rel="nofollow">International Women\'s Day</a><span> with Google</span></div></div>
</div><span id="footer"><div style="font-size:10pt"><div style="margin:19px
auto;text-align:center" id="WqQANb"><a href="/intl/en/ads/">Advertising</a><a
href="/services/">Business Solutions</a><a href="/intl/en/about.html">About
Google</a></div></div><p style="font-size:8pt;color:#70757a">&copy; 2023 - <a
href="/intl/en/policies/privacy/">Privacy</a> - <a
href="/intl/en/policies/terms/">Terms</a></p></span></center><script
nonce="skA52jTjrFARNMkurZZTjQ">(function(){window.google.cdo=
{height:757,width:1440};(function(){var
a=window.innerWidth,b=window.innerHeight;if(!a||!b){var
c=window.document,d="CSS1Compat"==c.compatMode?
c.documentElement:c.body;a=d.clientWidth;b=d.clientHeight}a&&b&&
(a!=google.cdo.width||b!=google.cdo.height)&&google.log("", "", "/client_204?
&atyp=i&biw="+a+"&bih="+b+"&ei="+google.kEI);}).call(this);})();</script> <script
nonce="skA52jTjrFARNMkurZZTjQ">(function(){google.xjs=
{ck:\'xjs.hp.Y2W3KAJ0Jco.L.X.O\'',cs:\'ACT90oEk9pJxm100dkVmpGo-yLfc4v5z8w\'',excm:
[11,1]}()</script> <script nonce="skA52jTjrFARNMkurZZTjQ">(function(){var

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```

d=this||self,e=function(a){return a};var g;var l=function(a,b){this.g=b===h?
a:""};l.prototype.toString=function(){return this.g+""};var h={};\nfunction m()
{var a=u;google.lx=function(){p(a);google.lx=function()
{}};google.bx||google.lx()}\nfunction p(a)
{google.timers&&google.timers.load&&google.tick&&google.tick("load","xjsls");var
b=document;var c="SCRIPT";"application/xhtml+xml"===b.contentType&&
(c=c.toLowerCase());c=b.createElement(c);a=null===a?"null":void
0===a?"undefined":a;if(void 0===g){b=null;var
k=d.trustedTypes;if(k&&k.createPolicy){try{b=k.createPolicy("goog#html",
{createHTML:e,createScript:e,createScriptURL:e})}catch(q)
{d.console&&d.console.error(q.message)}g=b}else g=b}a=(b=g)?
b.createScriptURL(a):a;a=new l(a,h);c.src=\na instanceof l&&a.constructor===l?
a.g:"type_error:TrustedResourceUrl";var f,n;(f=(a=null==(n=(f=
(c.ownerDocument&&c.ownerDocument.defaultView|window).document).querySelector)?
void 0:n.call(f,"script[nonce]")))?
a.nonce||a.getAttribute("nonce")||"":""&&c.setAttribute("nonce",f);document.body.a
ppendChild(c);google.psa=!0};google.xjsu=u;setTimeout(function(){0<amd?
google.caft(function(){return m()},amd):m()},0);})();function _DumpException(e)
{throw e;}\nfunction _F_installCss(c){}\n(function(){google.jl=
{blt:'\none',chnk:0,dw:false,dwu:true,emtn:0,end:0,ico:false,ikb:0,ine:false,injs:
'\none',injt:0,injth:0,injv2:false,lls:'\ndefault',pdt:0,rep:0,snet:true,strt:0,ub
m:false,uwp:true};})();(function(){var pmc='\{\x22d\x22:{},\x22sb_he\x22:
{\x22agen\x22:true,\x22cgen\x22:true,\x22client\x22:\x22heirloom-
hp\x22,\x22dh\x22:true,\x22ds\x22:\x22\x22,\x22fl\x22:true,\x22host\x22:
\x22google.com\x22,\x22jsonp\x22:true,\x22msgs\x22:
{\x22cibl\x22:\x22Clear Search\x22,\x22dym\x22:\x22Did you
mean:\x22,\x22lcky\x22:\x22I\\\\u0026#39;m Feeling
Lucky\x22,\x22lml\x22:\x22Learn more\x22,\x22psrc\x22:\x22This search was
removed from your \\\\u003Ca href\x3d\\\\\x22/history\\\\\x22\\\\u003EWeb
History\\\\u003C/a\\\\\u003E\x22,\x22psrl\x22:\x22Remove\x22,\x22sbit\x22:\x22
Search by image\x22,\x22srch\x22:\x22Google Search\x22},\x22ovr\x22:
{},\x22pq\x22:\x22\x22,\x22rfs\x22:[],\x22sbas\x22:\x220 3px 8px 0
rgba(0,0,0,0.2),0 0 0 1px
rgba(0,0,0,0.08)\x22,\x22stok\x22:\x22J2TpqBbW29n4YEWkckWkIgvqM\x22}}\';goog
le.pmc=JSON.parse(pmc);})();</script> </body></html>'

```