

Software disponible en el cluster TeideHPC

Para ver todo el software disponible en la infraestructura solo tiene que **usar lmod** para ello:

```
$ module spider Python
```

```
-----  
Python:  
-----
```

Description:

Python is a programming language that lets you work more quickly and integrate your systems more effectively.

Versions:

Python/2.7.18-bare

Python/2.7.18

Python/3.7.0

Python/3.8.6

Python/3.9.6-bare

Python/3.9.6

Other possible modules matches:

Biopython python

```
$ module overview
```

La salida de este comando depende de los módulos precargados (**recuerde la Jerarquía de módulos**)

```
----- /opt/envhpc/modulefiles/.rhel7-eb/all/Core -----  
ADMIXTURE (1) Java (3) Trimmomatic (1) imkl (1) snpEff (1)  
Bison (3) M4 (2) binutils (3) intel-compilers (1) tbl2asn (1)  
FastQC (2) Miniconda2 (1) flex (1) intel (1) zlib (1)  
GATK (1) Miniconda3 (1) foss (1) ncurses (1)  
GCC (2) OpenSSL (1) gettext (1) picard (1)  
GCCcore (2) PLINK (3) gomp (1) pkg-config (1)  
GCTA (1) SHAPEIT (1) impi (1) popt (1)
```

```
$ module load GCCcore/11.2.0 && module overview
```

```
----- /opt/envhpc/modulefiles/.rhel7-eb/all/Compiler/GCCcore/11.2.0 -----  
Autoconf (2) Meson (1) bzip2 (1) libogg (1)  
Automake (2) NASM (1) cMALT (1) libpciaccess (1)  
Autotools (2) NLOpt (1) cURL (2) libpng (1)  
BioPerl (2) NSPR (1) cairo (1) libreadline (1)
```

Bison	(2)	NSS	(1)	double-conversion	(1)	libsndfile	(1)
Brotli	(1)	Ninja	(1)	elfutils	(1)	libsodium	(1)
CMake	(2)	OpenJPEG	(1)	expat	(2)	libtasn1	(1)
Clang	(1)	OpenSSL	(1)	fastsimcoal2	(1)	libtirpc	(2)
DB	(1)	PCRE	(1)	flex	(1)	libtool	(1)
DB_File	(1)	PCRE2	(1)	fontconfig	(1)	libunistring	(1)
DBus	(1)	PMix	(1)	freetype	(1)	libunwind	(1)
Doxygen	(2)	PROJ	(1)	gc	(1)	libvorbis	(1)
Eigen	(3)	Pango	(1)	gettext	(1)	libxml2	(1)