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# Appendix



**SLV** EXPERT  
BUSINESS  
ANALYTICS

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## Appendix

### Appendix 1. Keyboard shortcuts for Excel on Windows

Here are the keyboard shortcuts that can be used in Excel on Windows:

<b>Basic shortcuts</b>	
Copy	Ctrl C
Cut	Ctrl X
Paste	Ctrl V
Undo	Ctrl Z
Select a table or database	Ctrl A
To create a SUM function	Alt =
<b>Cell manipulations</b>	
Select the current column	Ctrl Space
Select the current row	Shift Space
Select the active cell	F2
Go to the beginning of the spreadsheet	Ctrl Home
Go to the end of the spreadsheet	Ctrl End
Open the Named Fields Management Box	Ctrl F3
Print preview	Ctrl F2
Validate the cell and move down	Enter
Validate the cell and move up	Shift Enter
Validate the cell and move right	Tab
Validate the cell and move left	Shift Tab
Convert to percentage	Ctrl Shift 5(%)

### The most important actions

Activate the menu bar	F10
Show the <b>Macro</b> dialogue box	Alt F8
Go to the next sheet	Ctrl Page Down
Go to the previous sheet	Ctrl Page Up
Show the <b>Go To</b> dialogue box	F5
Show the <b>Find and Replace</b> dialogue	Shift F5
Create a chart	F11
Insert a new sheet	Alt Shift F1
Check the spelling of the sheet	F7
Repeat the previous action	F4
Find the next occurrence	Shift F4
Open a workbook	Ctrl F12
Close the workbook	Ctrl F4

## Appendix 2. Use of ASCII code under Windows

Ascii code is common for all keyboard layouts. It can be used to get a special character whose location is unknown. The combination of codes presented here is that of windows and results may depend on the police used (here, it's Time New Roman that was used).

Keys	Result
Alt + 1	☺
Alt + 2	☹
Alt + 3	♥
Alt + 4	♦
Alt + 5	♣
Alt + 6	♠
Alt + 7	•
Alt + 8	■
Alt + 9	○
Alt + 10	◼
Alt + 11	♂
Alt + 12	♀
Alt + 13	♪
Alt + 14	♫
Alt + 15	☀
Alt + 16	▶
Alt + 17	◀
Alt + 18	↕
Alt + 19	!!
Alt + 20	¶
Alt + 21	§
Alt + 22	—
Alt + 23	↕
Alt + 24	↑
Alt + 25	↓
Alt + 26	→

Keys	Result
Alt + 27	←
Alt + 28	└
Alt + 29	↔
Alt + 30	▲
Alt + 31	▼
Alt + 32	space
Alt + 33	!
Alt + 34	“
Alt + 35	#
Alt + 36	\$
Alt + 37	%
Alt + 38	&
Alt + 39	‘
Alt + 40	(
Alt + 41	)
Alt + 42	*
Alt + 43	+
Alt + 44	,
Alt + 45	-
Alt + 46	.
Alt + 47	/
Alt + 48	0
Alt + 49	1
Alt + 50	2
Alt + 51	3
Alt + 52	4

Keys	Result
Alt + 53	5
Alt + 54	6
Alt + 55	7
Alt + 56	8
Alt + 57	9
Alt + 58	:
Alt + 59	;
Alt + 60	<
Alt + 61	=
Alt + 62	>
Alt + 63	?
Alt + 64	@
Alt + 65	A
Alt + 66	B
Alt + 67	C
Alt + 68	D
Alt + 69	E
Alt + 70	F
Alt + 71	G
Alt + 72	H
Alt + 73	I
Alt + 74	J
Alt + 75	K
Alt + 76	L
Alt + 77	M
Alt + 78	N
Alt + 79	O
Alt + 80	P
Alt + 81	Q
Alt + 82	R

Keys	Result
Alt + 83	S
Alt + 84	T
Alt + 85	U
Alt + 86	V
Alt + 87	W
Alt + 88	X
Alt + 89	Y
Alt + 90	Z
Alt + 91	[
Alt + 92	\
Alt + 93	]
Alt + 94	^
Alt + 95	_
Alt + 96	`
Alt + 97	a
Alt + 98	b
Alt + 99	c
Alt + 100	d
Alt + 101	e
Alt + 102	f
Alt + 103	g
Alt + 104	h
Alt + 105	i
Alt + 106	j
Alt + 107	k
Alt + 108	l
Alt + 109	m
Alt + 110	n
Alt + 111	o
Alt + 112	p

Keys	Result
Alt + 113	q
Alt + 114	r
Alt + 115	s
Alt + 116	t
Alt + 117	u
Alt + 118	v
Alt + 119	w
Alt + 120	x
Alt + 121	y
Alt + 122	z
Alt + 123	{
Alt + 124	
Alt + 125	}
Alt + 126	~
Alt + 127	␣
Alt + 128	Ç
Alt + 129	ü
Alt + 130	é
Alt + 131	â
Alt + 132	ä
Alt + 133	à
Alt + 134	å
Alt + 135	ç
Alt + 136	ê
Alt + 137	ë
Alt + 138	è
Alt + 139	ï
Alt + 140	î
Alt + 141	ì
Alt + 142	Ä

Keys	Result
Alt + 143	Å
Alt + 144	É
Alt + 145	æ
Alt + 146	Æ
Alt + 147	ô
Alt + 148	ö
Alt + 149	ò
Alt + 150	û
Alt + 151	ù
Alt + 152	ÿ
Alt + 153	Ö
Alt + 154	Ü
Alt + 155	ø
Alt + 156	£
Alt + 157	Ø
Alt + 158	×
Alt + 159	f
Alt + 160	á
Alt + 161	í
Alt + 162	ó
Alt + 163	ú
Alt + 164	ñ
Alt + 165	Ñ
Alt + 166	ª
Alt + 167	º
Alt + 168	¿
Alt + 169	®
Alt + 170	¬
Alt + 171	½
Alt + 172	¼

Keys	Result
Alt + 173	¡
Alt + 174	«
Alt + 175	»
Alt + 176	•••••
Alt + 177	•••••
Alt + 178	•••••
Alt + 179	
Alt + 180	†
Alt + 181	Á
Alt + 182	Â
Alt + 183	Ã
Alt + 184	©
Alt + 185	¶
Alt + 186	
Alt + 187	⌋
Alt + 188	⌌
Alt + 189	¢
Alt + 190	¥
Alt + 191	⌋
Alt + 192	⌌
Alt + 193	⊥
Alt + 194	⌈
Alt + 195	⌋
Alt + 196	—
Alt + 197	†
Alt + 198	ã
Alt + 199	Ã
Alt + 200	ℒ
Alt + 201	℔
Alt + 202	℔

Keys	Result
Alt + 203	⌈
Alt + 204	⌋
Alt + 205	=
Alt + 206	⌋
Alt + 207	∅
Alt + 208	ð
Alt + 209	Ð
Alt + 210	Ê
Alt + 211	Ë
Alt + 212	È
Alt + 213	ı
Alt + 214	Í
Alt + 215	Î
Alt + 216	Ï
Alt + 217	⌋
Alt + 218	⌈
Alt + 219	■
Alt + 220	■
Alt + 221	⋮
Alt + 222	Ï
Alt + 223	■
Alt + 224	Ó
Alt + 225	β
Alt + 226	Ô
Alt + 227	Ò
Alt + 228	õ
Alt + 229	Õ
Alt + 230	μ
Alt + 231	þ
Alt + 232	Þ

Keys	Result
Alt + 233	Ú
Alt + 234	Û
Alt + 235	Ù
Alt + 236	Ý
Alt + 237	Ÿ
Alt + 238	—
Alt + 239	´
Alt + 240	-
Alt + 241	±
Alt + 242	=
Alt + 243	¾
Alt + 244	¶

Keys	Result
Alt + 245	§
Alt + 246	÷
Alt + 247	,
Alt + 248	°
Alt + 249	¨
Alt + 250	·
Alt + 251	1
Alt + 252	3
Alt + 253	2
Alt + 254	■
Alt + 255	Non-breaking space
Alt + 256	Ä

### Appendix 3.English / French Lexicon of Excel functions

#### Financial functions:

English	French
ACCRINT	INTERET.ACC
ACCRINTM	INTERET.ACC.MAT
AMORLINC	AMORLINC
COUPDAYBS	NB.JOURS.COUPON.PREC
COUPDAYS	NB.JOURS.COUPONS
COUPDAYSNC	NB.JOURS.COUPON.SUIV
COUPNCD	DATE.COUPON.SUIV
COUPNUM	NB.COUPONS
COUPPCD	DATE.COUPON.PREC
CUMIPMT	CUMUL.INTER
CUMPRINC	CUMUL.PRINCPER
DB	DB
DDB	DDB
DISC	TAUX.ESCOMPTE
DOLLARDE	PRIX.DEC
DOLLARFR	PRIX.FRAC
DURATION	DUREE
EFFECT	TAUX.EFFECTIF
FV	VC
FVSCHEDULE	VC.PAIEMENTS
INTRATE	TAUX.INTERET
IPMT	INTPER
IRR	TRI
ISPMT	ISPMT
MDURATION	DUREE.MODIFIEE
MIRR	TRIM
NOMINAL	TAUX.NOMINAL
NPER	NPM
NPV	VAN
ODDFPRICE	PRIX.PCOUPON.IRREG
ODDFYIELD	REND.PCOUPON.IRREG
ODDLPRICE	PRIX.DCOUPON.IRREG
ODDLYIELD	REND.DCOUPON.IRREG
PDURATION	PDUREE
PMT	VPM
PPMT	PRINCPER

**Financial functions (cont.):**

<b>English</b>	<b>French</b>
PRICE	PRIX.TITRE
PRICEDISC	VALEUR.ENCAISSEMENT
PRICEMAT	PRIX.TITRE.ECHEANCE
PV	VA
RATE	TAUX
RECEIVED	VALEUR.NOMINALE
RRI	TAUX.INT.EQUIV
SLN	AMORLIN
STOCKHISTORY	HISTORIQUE.ACTIONS
SYD	SYD
TBILLEQ	TAUX.ESCOMPTE.R
TBILLPRICE	PRIX.BON.TRESOR
TBILLYIELD	RENDEMENT.BON.TRESOR
VDB	VDB
XIRR	TRI.PAIEMENTS
XNPV	VAN.PAIEMENTS
YIELD	RENDEMENT.TITRE
YIELDDISC	RENDEMENT.SIMPLE
YIELDMAT	RENDEMENT.TITRE.ECHEANCE

**Logical functions:**

English	French
AND	ET
BYCOL	BYCOL
BYROW	BYROW
FALSE	FAUX
IF	SI
IFERROR	SIERREUR
IFNA	SI.NON.DISP
IFS	SI.CONDITIONS
LAMBDA	LAMBDA
LET	LET
MAKEARRAY	MAKEARRAY
MAP	MAP
NOT	NON
OR	OU
REDUCE	REDUCE
SCAN	SCAN
SWITCH	SI.MULTIPLE
TRUE	VRAI
XOR	OUX

**Text functions:**

<b>English</b>	<b>French</b>
ARRAYTOTEXT	TABLEAU.EN.TEXTE
BAHTTEXT	BAHTTEXT
CHAR	CAR
CLEAN	EPURAGE
CODE	CODE
CONCAT	CONCAT
DOLLAR	DEVISE
EXACT	EXACT
FIND	TROUVE
FIXED	CTXT
LEFT	GAUCHE
LEN	NBCAR
LOWER	MINUSCULE
MID	STXT
NUMBERVALUE	VALEURNOMBRE
PROPER	NOMPROPRE
REPLACE	REPLACER
REPT	REPT
RIGHT	DROITE
SEARCH	CHERCHE
SUBSTITUTE	SUBSTITUE
T	T
TEXT	TEXTE
TEXTAFTER	TEXTE.APRES
TEXTBEFORE	TEXTE.AVANT
TEXTJOIN	JOINDRE.TEXTE
TEXTSPLIT	FRACTIONNER.TEXTE
TRIM	SUPPRESPEACE
UNICHAR	UNICAR
UNICODE	UNICODE
UPPER	MAJUSCULE
VALUE	CNUM
VALUETOTEXT	VALEUR.EN.TEXTE

**Date and Time functions:**

<b>English</b>	<b>French</b>
DATE	DATE
DATEVALUE	DATEVAL
DAY	JOUR
DAYS	JOURS
DAYS360	JOURS360
EDATE	MOIS.DECALER
EOMONTH	FIN.MOIS
HOUR	HEURE
ISOWEEKNUM	NO.SEMAINES.ISO
MINUTE	MINUTE
MONTH	MOIS
NETWORKDAYS	NB.JOURS.OUVRES
NETWORKDAYS.INTL	NB.JOURS.OUVRES.INTL
NOW	MAINTENANT
SECOND	SECONDE
TIME	TEMPS
TIMEVALUE	TEMPSVAL
TODAY	AUJOURDHUI
WEEKDAY	JOURSEM
WEEKNUM	NO.SEMAINES
WORKDAY	SERIE.JOUR.OUVRE
WORKDAY.INTL	SERIE.JOUR.OUVRE.INTL
YEAR	ANNEE
YEARFRAC	FRACTION.ANNEE

**Lookup and Reference functions:**

<b>English</b>	<b>French</b>
ADDRESS	ADRESSE
AREAS	ZONES
CHOOSE	CHOISIR
CHOOSECOLS	CHOISIRCOLS
CHOOSEROWS	CHOISIRLIGNES
COLUMN	COLONNE
COLUMNS	COLONNES
DROP	EXCLURE
EXPAND	ETENDRE
FIELDVALUE	VALEUR.CHAMP
FILTER	FILTRE
FORMULATEXT	FORMULETEXTE
GETPIVOTDATA	LIREDONNEESTABCROISDYNAMIQUE
HLOOKUP	RECHERCHEH
HSTACK	ASSEMB.H
HYPERLINK	LIEN_HYPERTEXTE
IMAGE	IMAGE
INDEX	INDEX
INDIRECT	INDIRECT
LOOKUP	RECHERCHE
MATCH	EQUIV
OFFSET	DECALER
ROW	LIGNE
ROWS	LIGNES
RTD	RTD
SORT	TRIER
SORTBY	TRIERPAR
TAKE	PRENDRE
TOCOL	DANSCOL
TOROW	DANSLIGNE
TRANSPOSE	TRANSPOSE
UNIQUE	UNIQUE
VLOOKUP	RECHERCHEV
VSTACK	ASSEMB.V
WRAPCOLS	ORGA.COLS
WRAPROWS	ORGA.LIGNES
XLOOKUP	RECHERCHEX
XMATCH	EQUIVX

**Math and trigonometry functions:**

English	French
ABS	ABS
ACOS	ACOS
ACOSH	ACOSH
ACOT	ACOT
ACOTH	ACOTH
AGGREGATE	AGREGAT
ARABIC	CHIFFRE.ARABE
ASIN	ASIN
ASINH	ASINH
ATAN	ATAN
ATAN2	ATAN2
ATANH	ATANH
BASE	BASE
CEILING.MATH	PLAFOND.MATH
COMBIN	COMBIN
COMBINA	COMBINA
COS	COS
COSH	COSH
COT	COT
COTH	COTH
CSC	CSC
CSCH	CSCH
DECIMAL	DECIMAL
DEGREES	DEGRES
EVEN	PAIR
EXP	EXP
FACT	FACT
FACTDOUBLE	FACTDOUBLE
FLOOR.MATH	PLANCHER.MATH
GCD	PGCD
INT	ENT
LCM	PPCM
LN	LN
LOG	LOG
LOG10	LOG10
MDETERM	DETERMAT
MINVERSE	INVERSEMAT
MMULT	PRODUITMAT
MOD	MOD

**Math and trigonometry functions (cont.):**

English	French
MROUND	ARRONDI.AU.MULTIPLE
MULTINOMIAL	MULTINOMIALE
MUNIT	MATRICE.UNITAIRE
ODD	IMPAIR
PI	PI
POWER	PUISSANCE
PRODUCT	PRODUIT
QUOTIENT	QUOTIENT
RADIANS	RADIANS
RAND	ALEA
RANDARRAY	TABLEAU.ALEA
RANDBETWEEN	ALEA.ENTRE.BORNES
ROMAN	ROMAIN
ROUND	ARRONDI
ROUNDDOWN	ARRONDI.INF
ROUNDUP	ARRONDI.SUP
SEC	SEC
SECH	SECH
SEQUENCE	SEQUENCE
SERIESSUM	SOMME.SERIES
SIGN	SIGNE
SIN	SIN
SINH	SINH
SQRT	RACINE
SQRTPI	RACINE.PI
SUBTOTAL	SOUS.TOTAL
SUM	SOMME
SUMIF	SOMME.SI
SUMIFS	SOMME.SI.ENS
SUMPRODUCT	SOMMEPROD
SUMSQ	SOMME.CARRES
SUMX2MY2	SOMME.X2MY2
SUMX2PY2	SOMME.X2PY2
SUMXMY2	SOMME.XMY2
TAN	TAN
TANH	TANH
TRUNC	TRONQUE

## Statistical functions

English	French
AVEDEV	ECART.MOYEN
AVERAGE	MOYENNE
AVERAGEA	AVERAGEA
AVERAGEIF	MOYENNE.SI
AVERAGEIFS	MOYENNE.SI.ENS
BETA.DIST	LOI.BETA.N
BETA.INV	BETA.INVERSE.N
BINOM.DIST	LOI.BINOMIALE.N
BINOM.DIST.RANGE	LOI.BINOMIALE.SERIE
BINOM.INV	LOI.BINOMIALE.INVERSE
CHISQ.DIST	LOI.KHIDEUX.N
CHISQ.DIST.RT	LOI.KHIDEUX.DROITE
CHISQ.INV	LOI.KHIDEUX.INVERSE
CHISQ.INV.RT	LOI.KHIDEUX.INVERSE.DROITE
CHISQ.TEST	CHISQ.TEST
CONFIDENCE.NORM	INTERVALLE.CONFIANCE.NORMAL
CONFIDENCE.T	INTERVALLE.CONFIANCE.STUDENT
CORREL	COEFFICIENT.CORRELATION
COUNT	NB
COUNTA	NBVAL
COUNTBLANK	NB.VIDE
COUNTIF	NB.SI
COUNTIFS	NB.SI.ENS
COVARIANCE.P	COVARIANCE.PEARSON
COVARIANCE.S	COVARIANCE.STANDARD
DEVSQ	SOMME.CARRES.ECARTS
EXPON.DIST	LOI.EXPONENTIELLE.N
F.DIST	LOI.F.N
F.DIST.RT	LOI.F.DROITE
F.INV	INVERSE.LOI.F.N
F.INV.RT	INVERSE.LOI.F.DROITE
F.TEST	F.TEST
FISHER	FISHER
FISHERINV	FISHER.INVERSE
FORECAST.ETS	PREVISION.ETS
FORECAST.ETS.CONFINT	PREVISION.ETS.CONFINT
FORECAST.ETS.SEASONALITY	PREVISION.ETS.CARACTERESAISONNIER
FORECAST.ETS.STAT	PREVISION.ETS.STAT
FORECAST.LINEAR	PREVISION.LINEAIRE

**Statistical functions (cont.):**

<b>English</b>	<b>French</b>
FREQUENCY	FREQUENCE
GAMMA	GAMMA
GAMMA.DIST	LOI.GAMMA.N
GAMMA.INV	LOI.GAMMA.INVERSE.N
GAMMALN	LNGAMMA
GAMMALN.PRECISE	LNGAMMA.PRECIS
GAUSS	GAUSS
GEOMEAN	MOYENNE.GEOMETRIQUE
GROWTH	CROISSANCE
HARMEAN	MOYENNE.HARMONIQUE
HYPGEOM.DIST	LOI.HYPERGEOMETRIQUE.N
INTERCEPT	ORDONNEE.ORIGINE
KURT	KURTOSIS
LARGE	GRANDE.VALEUR
LINEST	DROITEREG
LOGEST	LOGREG
LOGNORM.DIST	LOI.LOGNORMALE.N
LOGNORM.INV	LOI.LOGNORMALE.INVERSE.N
MAX	MAX
MAXA	MAXA
MAXIFS	MAX.SI.ENS
MEDIAN	MEDIANE
MIN	MIN
MINA	MINA
MINIFS	MIN.SI.ENS
MODE.MULT	MODE.MULTIPLE
MODE.SNGL	MODE.SIMPLE
NEGBINOM.DIST	LOI.BINOMIALE.NEG.N
NORM.DIST	LOI.NORMALE.N
NORM.INV	LOI.NORMALE.INVERSE.N
NORM.S.DIST	LOI.NORMALE.STANDARD.N
NORM.S.INV	LOI.NORMALE.STANDARD.INVERSE.N
PEARSON	PEARSON
PERCENTILE.EXC	CENTILE.EXCLURE
PERCENTILE.INC	CENTILE.INCLURE
PERCENTRANK.EXC	RANG.POURCENTAGE.EXCLURE
PERCENTRANK.INC	RANG.POURCENTAGE.INCLURE
PERMUT	PERMUTATION

**Statistical functions (cont.):**

<b>English</b>	<b>French</b>
PERMUTATIONA	PERMUTATIONA
PHI	PHI
POISSON.DIST	LOI.POISSON.N
PROB	PROBABILITE
QUARTILE.EXC	QUARTILE.EXCLURE
QUARTILE.INC	QUARTILE.INCLURE
RANK.AVG	MOYENNE.RANG
RANK.EQ	EQUATION.RANG
RSQ	COEFFICIENT.DETERMINATION
SKEW	COEFFICIENT.ASYMETRIE
SKEW.P	COEFFICIENT.ASYMETRIE.P
SLOPE	PENTE
SMALL	PETITE.VALEUR
STANDARDIZE	CENTREE.REDUITE
STDEV.P	ECARTYPE.PEARSON
STDEV.S	ECARTYPE.STANDARD
STDEVA	STDEVA
STDEVPA	STDEVPA
STEYX	ERREUR.TYPE.XY
T.DIST	LOI.STUDENT.N
T.DIST.2T	LOI.STUDENT.BILATERALE
T.DIST.RT	LOI.STUDENT.DROITE
T.INV	LOI.STUDENT.INVERSE.N
T.INV.2T	LOI.STUDENT.INVERSE.BILATERALE
T.TEST	T.TEST
TREND	TENDANCE
TRIMMEAN	MOYENNE.REDUITE
VAR.P	VAR.P.N
VAR.S	VAR.S
VARA	VARA
VARPA	VARPA
WEIBULL.DIST	LOI.WEIBULL.N
Z.TEST	Z.TEST

## Engineering functions

English	French
BESSELI	BESSELI
BESSELJ	BESSELJ
BESSELK	BESSELK
BESSELY	BESSELY
BIN2DEC	BINDEC
BIN2HEX	BINHEX
BIN2OCT	BINOCT
BITAND	BITET
BITLSHIFT	BITDECALG
BITOR	BITOU
BITRSHIFT	BITDECALD
BITXOR	BITOUEXCLUSIF
COMPLEX	COMPLEXE
CONVERT	CONVERT
DEC2BIN	DECBIN
DEC2HEX	DECHEX
DEC2OCT	DECOCT
DELTA	DELTA
ERF	ERF
ERF.PRECISE	ERF.PRECIS
ERFC	ERFC
ERFC.PRECISE	ERFC.PRECIS
GESTEP	SUP.SEUIL
HEX2BIN	HEXBIN
HEX2DEC	HEXDEC
HEX2OCT	HEXOCT
IMABS	COMPLEXE.MODULE
IMAGINARY	COMPLEXE.IMAGINAIRE
IMARGUMENT	COMPLEXE.ARGUMENT
IMCONJUGATE	COMPLEXE.CONJUGUE
IMCOS	COMPLEXE.COS
IMCOSH	COMPLEXE.COSH
IMCOT	COMPLEXE.COT
IMCSC	COMPLEXE.CSC
IMCSCH	COMPLEXE.CSCH
IMDIV	COMPLEXE.DIV
IMEXP	COMPLEXE.EXP
IMLN	COMPLEXE.LN
IMLOG10	COMPLEXE.LOG10

**Engineering functions (cont.):**

English	French
IMLOG2	COMPLEXE.LOG2
IMPOWER	COMPLEXE.PUISSANCE
IMPRODUCT	COMPLEXE.PRODUIT
IMREAL	COMPLEXE.REEL
IMSEC	COMPLEXE.SEC
IMSECH	COMPLEXE.SECH
IMSIN	COMPLEXE.SIN
IMSINH	COMPLEXE.SINH
IMSQRT	COMPLEXE.RACINE
IMSUB	COMPLEXE.DIFFERENCE
IMSUM	COMPLEXE.SOMME
IMTAN	COMPLEXE.TAN
OCT2BIN	OCTBIN
OCT2DEC	OCTDEC
OCT2HEX	OCTHEX

**Cube functions**

English	French
CUBEKPIMEMBER	MEMBREKPICUBE
CUBEMEMBER	MEMBRECUBE
CUBEMEMBERPROPERTY	PROPRIETEMEMBRECUBE
CUBERANKEDMEMBER	RANGMEMBRECUBE
CUBESET	JEUCUBE
CUBESETCOUNT	NBJEUCUBE
CUBEVALUE	VALEURCUBE

## Information functions

English	French
CELL	CELLULE
ERROR.TYPE	TYPE.ERREUR
INFO	INFORMATIONS
ISBLANK	ESTVIDE
ISERR	ESTERR
ISERROR	ESTERREUR
ISEVEN	EST.PAIR
ISFORMULA	ESTFORMULE
ISLOGICAL	ESTLOGIQUE
ISNA	ESTNA
ISNONTEXT	ESTNONTEXTE
ISNUMBER	ESTNUM
ISODD	EST.IMPAIR
ISOMITTED	ISOMITTED
ISREF	ESTREF
ISTEXT	ESTTEXTE
N	N
NA	NA
SHEET	FEUILLE
SHEETS	FEUILLES
TYPE	TYPE

## Compatibility functions

English	French
BETADIST	LOI.BETA
BETAINV	BETA.INVERSE
BINOMDIST	LOI.BINOMIALE
CEILING	PLAFOND
CHIDIST	LOI.KHIDEUX
CHIINV	KHIDEUX.INVERSE
CHITEST	TEST.KHIDEUX
CONCATENATE	CONCATENER
CONFIDENCE	INTERVALLE.CONFIANCE
COVAR	COVARIANCE
CRITBINOM	CRITERE.LOI.BINOMIALE
EXPONDIST	LOI.EXPONENTIELLE
FDIST	LOI.F
FINV	INVERSE.LOI.F
FLOOR	PLANCHER
FORECAST	PREVISION
FTEST	TEST.F
GAMMADIST	LOI.GAMMA
GAMMAINV	LOI.GAMMA.INVERSE
HYPGEOMDIST	LOI.HYPERGEOMETRIQUE
LOGINV	LOI.LOGNORMALE.INVERSE
LOGNORMDIST	LOI.LOGNORMALE
MODE	MODE
NEGBINOMDIST	LOI.BINOMIALE.NEG
NORMDIST	LOI.NORMALE
NORMINV	LOI.NORMALE.INVERSE
NORMSDIST	LOI.NORMALE.STANDARD
NORMSINV	LOI.NORMALE.STANDARD.INVERSE
PERCENTILE	CENTILE
PERCENTRANK	RANG.POURCENTAGE
POISSON	LOI.POISSON
QUARTILE	QUARTILE
RANK	RANG
STDEV	ECARTYPE
STDEVP	ECARTYPEP
TDIST	LOI.STUDENT
TINV	LOI.STUDENT.INVERSE
TTEST	TEST.STUDENT

### Compatibility functions (cont.):

English	French
VAR	VAR
VARP	VAR.P
WEIBULL	LOI.WEIBULL
ZTEST	TEST.Z

### Web functions

English	French
ENCODEURL	URLENCODAGE
FILTERXML	FILTRE.XML
WEBSERVICE	SERVICEWEB

### Database functions

English	French
DSTDEV	BDECARTYPE
DSTDEVP	BDECARTYPEP
DGET	BDLIRE
DMAX	BDMAX
DMIN	BDMIN
DAVERAGE	BDMOYENNE
DCOUNT	BDNB
DCOUNTA	BDNBVAL
DPRODUCT	BDPRODUIT
DSUM	BDSOMME
DVAR	BDVAR
DVARP	BDVARP