Actuarial Excel Addin - Canadian Statistics functions Cheat Sheet

AnnProxy (Date, Code)  Daily (updated monthly)		MarketQuote (Date, Code) Month-end		TaxStat (Year, Code) Yearly		AWE (Year, Month, Code, Increase, Province)  Month-end		CPI (Year, Month, Code, Increase, Province) Month-end		OAS (Year, Code) Quarterly		CPP (Year, Code) Yearly		QPP (Year, Code) Yearly		
CIA Guidance for Assumptions		Financial market indices		Canadian Income Tax Act limits		Average Weekly Earnings (Statistics Canada)		Consumer Price Index (Statistics Canada)		Canadian Old Age Security		Canada Pension Plan		Québec Pension Plan		
for Hypothetical Wind-Up and				for RP	for RPP (DC and DB), RRSP and						am					
	Solvency Valuations Update				DPSP											
	de Description		Description		Description		Description		e Description	Code	Description		Description		Description	
	V39062 rate for unindexed pensions	1	\$CAN / \$US (source: Bank of Canada)	1	DB max. pension per year of credited service	1	Month index	1	Month index	1	Monthly pension, 1 <sup>st</sup> quarter	1	YMPE - basic	1	YMPE - basic	
	Interest rate adjustment for unindexed pension S HORT duration	2	\$CAN / Euro (source: Bank of Canada)	2	DC max. contribution	2	Month index / Prior year Month index	2	Month index / Prior year Month index	2	Monthly pension, 2 <sup>nd</sup> quarter	2	Maximum monthly pension for someone retiring at 65 during the	2	Maximum monthly pension for someone retiring at 65 during the	
ŝ	Interest rate adjustment for unindexed pension M ID duration	3	\$CAN / \$US (source: MSCI)	3	RRSP max. contribution	3	12-month indices average	3	12-month indices average	3	Monthly pension, 3 <sup>rd</sup> quarter	3	year Basic exemption	3	year Basic exemption	
4	Interest rate adjustment for unindexed pension L ONG duration	4	\$US / \$CAN (source: MSCI)	4	DPSP max. contribution	4	12-month indices average / one year prior 12-month indices average	4	12-month indices average / one year prior 12-month indices average	4	Monthly pension, 4 <sup>th</sup> quarter	4	Contribution rate - basic (employee)	4	Contribution rate - basic (employee)	
(	SHORT duration (years)	5	S&P/TSX	5	Pension adjustment max.		Increase: For codes 2 and 4 <u>only</u> , will return the increase instead of the ratio (increase = ratio minus 1)		Increase: For codes 2 and 4 only, will return the increase instead of the ratio (increase = ratio minus 1)	5	Annual recovery threshold	5	Maximum employee contribution	5	Maximum employee contribution	
	MID duration (years)	6	S&P/TSX total return	6	PA reduction (\$1,000/\$600)		Province: CA, AL, BC, MA, NB, NF, NS, ON, PEI, QC, SA		Province: CA, AL, BC, MA, NB, NF, NS, ON, PEI, QC, SA			6	YMPE - including supplement (2024+)	6	YMPE - including supplement (2024+)	
8	LONG duration (years)	7	S&P 500									7	Contribution rate - supp. 1 (employee)	7	Contribution rate - supp. 1 (employee)	
٩	V39057 for Fully indexed pensions,	8	S&P 500 total return									8	Contribution rate - supp. 2 (employee)	8	Contribution rate - supp. 2 (employee)	
1	Interest rate adjustment for fully indexed pension	9	Short bonds (FTSE TMX)	E TMX)								9	Pension Indexation Rate effective Jan. 1st	9	Pension Indexation Rate (TAIR) effective Jan. 1st	
1	1 Mortality Table	10	Mid bonds (FTSE TMX)													
	2 Projection (True/False)	11	Long bonds (FTSE TMX)													
1	3 Proj. scale	12	Universe bonds (FTSE													
1	4 Proj. base year	13	· ·													
	- David and broading and		TMX)													
	Froj. valuation year		91-day Tbills (FTSE TMX)													
	1 or 2 D projection, CIA document #		World (\$US, MSCI) World ex. USA (\$US, MSCI)													
1	8 CIA document date	17	EAFE (\$US, MSCI)													

18 Europe (\$US, MSCI) 19 Pacific (\$US, MSCI) 20 Emerging markets (\$US, MSCI) 21 Canada (\$CAN, MSCI) 22 Canada (\$US, MSCI) 23 USA (\$US, MSCI) 24 BRIC (\$US, MSCI) 25 World ex. Canada (\$US, MSCI) 26 World Small Cap (\$US, MSCI) 27 World (local currency, MSCI) 28 30-day Tbills (FTSE TMX) 29 60-day Tbills (FTSE TMX) 30 182-day TB (FTSE TMX) 31 365-day TB (FTSE TMX)