Actuarial Excel Addin - Canadian Statistics functions Cheat Sheet

AnnProxy (Date, Code)		MarketQuote (Date, Code)		TaxStat (Year, Code)		AWE (Year, Month, Code, Increase, Province)		CPI (Year, Month, Code, Increase, Province)		OAS (Year, Code)		CPP (Year, Code)		QPP (Year, Code)	
Daily (updated monthly)		Month-end		Yearly		Month-end		Month-end		Quarterly		Yearly		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 RPP (DC and DB), RRSP and		, , , , ,		` '		program					
Sol	Solvency Valuations Update				DPSP										
Co	de Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code	Description
	1 V39062 rate	1	\$CAN / \$US	1	DB max. pension per	1	Month index	1	Month index	1	Monthly pension, 1 st	1	YMPE - basic	1	YMPE - basic
	for unindexed pensions		(source: Bank of Canada)		year of credited service						quarter				
	2 Interest rate adjustment	2	\$CAN / Euro	2	DC max. contribution	2	Month index / Prior year Month index	2	Month index / Prior year Month index	2	Monthly pension, 2 nd	2	Maximum monthly	2	Maximum monthly
	for unindexed pension		(source: Bank of Canada)								quarter		pension for someone		pension for someone
	SHORT duration												retiring at 65 during the		retiring at 65 during the
	3 Interest rate adjustment	,	\$CAN / \$US	3	RRSP max. contribution	,	12-month indices average		12-month indices average	,	ord	,	year	3	year Basic exemption
•	for unindexed pension	3	(source: MSCI)	3	KKSP Max. COntribution	3	12-month indices average	3	12-month indices average	3	Monthly pension, 3 rd	3	Basic exemption	3	basic exemption
	MID duration		(source. IVISCI)								quarter				
	4 Interest rate adjustment	4	\$US / \$CAN	4	DPSP max. contribution	4	12-month indices average / one year	4	12-month indices average / one year	4	Monthly pension, 4 th	4	Contribution rate - basic	4	Contribution rate - basic
	for unindexed pension		(source: MSCI)				prior 12-month indices average		prior 12-month indices average		quarter		(employee)		(employee)
	LONG duration										'				
	6 SHORT duration (years)	5	S&P/TSX	5	Pension adjustment max.		Increase: For codes 2 and 4 only, will		Increase: For codes 2 and 4 only, will	5	Annual recovery	5	Maximum employee	5	Maximum employee
							return the increase instead of the ratio		return the increase instead of the ratio		threshold		contribution		contribution
							(increase = ratio minus 1)		(increase = ratio minus 1)						
	7 MID duration (years)	6	S&P/TSX total return	6	PA reduction		Province: CA, AL, BC, MA, NB, NF, NS, ON,		Province: CA, AL, BC, MA, NB, NF, NS, ON,			6	YMPE - including	6	YMPE - including
	8 LONG duration (years)	(\$1,000/\$600) PEI, QC, SA 7 S&P 500		PEI, QC, SA	IC, SA PEI, QC, SA					supplement (2024+) Contribution rate -	7	supplement (2024+) Contribution rate -			
	6 LONG duration (years)		30.F 300										supp. 1 (employee)	′	supp. 1 (employee)
	9 V39057 for Fully indexed	8	8 S&P 500 total return							8	Contribution rate -	8	Contribution rate -		
	· · · · · · · · · · · · · · · · · · ·	pensions,										supp. 2 (employee)		supp. 2 (employee)	
1	.0 Interest rate adjustment	ustment 9 Short bonds (FTSE TMX)								9	Pension Indexation Rate	9	Pension Indexation Rate		
	for fully indexed pension												effective Jan. 1st		(TAIR) effective Jan. 1st
1	1 Mortality Table		Mid bonds (FTSE TMX)												
	2 Projection (True/False)		Long bonds (FTSE TMX)												
1	3 Proj. scale	12	Universe bonds												
	A David have seen	40	(FTSE TMX)												
1	4 Proj. base year	13	Real return bonds (FTSE TMX)												
1	5 Proj. valuation year	1.4	91-day Tbills (FTSE TMX)												
	.6 1 or 2 D projection,		World (\$US, MSCI)												
	7 CIA document #		World ex. USA												
			(\$US, MSCI)												
1	8 CIA document date	17	EAFE (\$US, MSCI)												
			E (ALIO 1100)												

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)