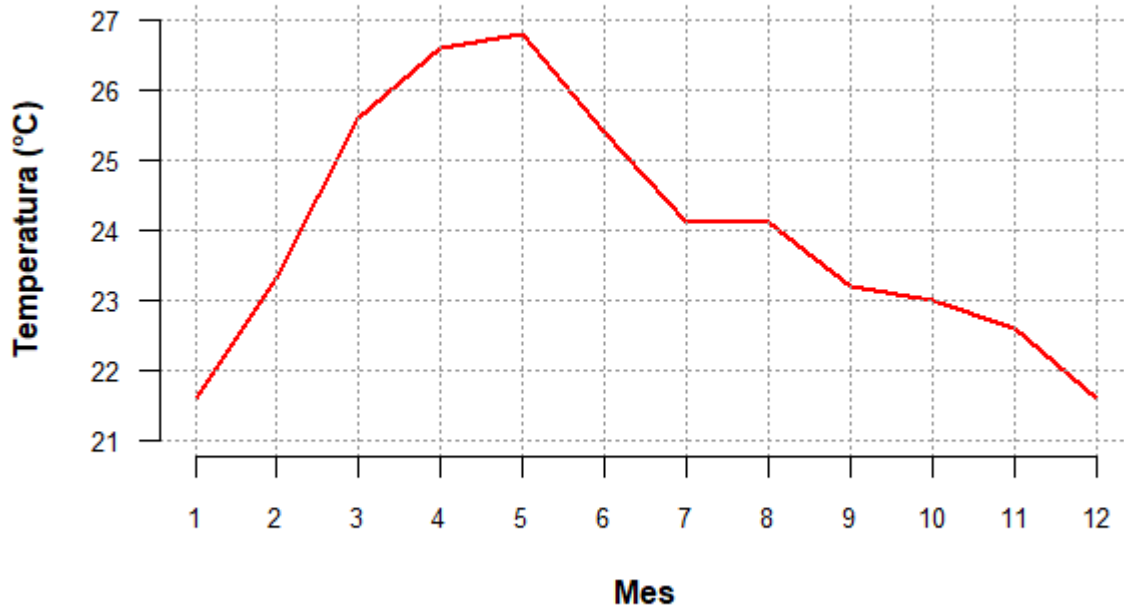


NORMALES CLIMATOLÓGICAS DE TEMPERATURA MÁXIMA (°C)

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	19.5	21.9	24.5	24.8	25.6	23.5	22.8	23.1	22.8	22.9	21.8	21.0	22.9
1982	22.8	23.0	25.8	27.8	25.7	26.7	24.0	24.2	23.7	22.7	23.2	21.8	24.3
1983	20.0	22.3	24.9	27.8	28.7	26.6	23.7	23.7	22.5	22.4	22.3	22.0	23.9
1984	20.8	21.7	25.0	28.0	24.1	24.3	21.7	22.0	19.8	23.6	21.8	20.9	22.8
1985	21.1	21.9	25.5	23.6	25.4	24.0	22.7	23.5	23.5	23.2	23.1	21.0	23.2
1986	20.4	22.8	24.3	26.0	25.5	24.2	23.6	23.8	24.0	22.8	22.9	21.7	23.5
1987	22.7	23.1	24.1	25.1	26.1	24.5	23.4	24.8	25.0	22.8	22.6	23.0	23.9
1988	21.2	23.4	24.2	27.2	27.9	24.3	23.9	23.6	23.4	22.8	24.3	21.5	24.0
1989	22.6	23.2	25.0	25.4	26.6	25.7	24.1	23.9	21.3	23.1	23.9	21.3	23.8
1990	22.0	22.7	24.5	25.1	26.1	25.1	23.5	23.8	23.0	22.5	23.2	22.3	23.7
1991	22.4	23.8	29.0	28.6	27.9	25.3	23.1	24.8	22.5	21.6	21.5	20.9	24.3
1992	19.7	22.9	26.4	24.4	23.2	25.9	23.9	24.2	22.7	21.7	21.0	21.9	23.2
1993	21.8	24.4	24.8	26.8	26.1	26.0	24.4	24.7	22.4	24.2	24.0	22.7	24.4
1994	22.1	24.5	26.8	25.5	26.8	24.8	25.0	23.6	23.4	24.1	23.9	22.9	24.4
1995	21.8	23.2	25.8	27.4	28.6	26.4	23.7	23.6	24.0	23.5	22.4	21.2	24.3
1996	22.2	24.0	24.8	25.8	28.3	24.6	24.9	23.8	25.0	23.1	22.3	20.9	24.1
1997	21.1	24.3	24.3	24.7	24.8	26.7	25.3	25.3	24.2	23.1	22.6	22.7	24.1
1998	21.9	24.8	27.4	28.7	30.9	28.7	25.8	24.8	23.5	21.6	23.0	21.5	25.2
1999	22.0	23.2	25.3	28.0	27.7	26.7	23.7	24.4	22.5	21.3	20.3	20.6	23.8
2000	21.8	24.9	26.0	26.1	26.4	24.2	24.8	23.8	23.9	23.6	23.6	20.9	24.2
2001	22.1	23.1	25.2	27.5	25.8	24.9	24.5	24.5	23.7	22.9	22.4	21.4	24.0
2002	22.9	22.9	26.8	27.8	28.2	26.0	24.7	25.0	23.8	23.7	21.0	21.6	24.5
2003	21.0	25.6	27.0	27.7	29.7	25.3	24.4	24.9	23.6	23.3	23.3	21.1	24.8
2004	21.7	23.1	25.4	26.2	26.4	24.9	23.6	23.6	23.0	22.7	22.3	21.3	23.7
2005	21.7	23.1	25.5	26.3	26.4	24.9	23.6	23.6	23.0	22.7	22.4	21.4	23.7
2006	21.7	23.1	25.5	26.3	26.4	25.0	23.7	23.7	23.0	22.7	22.3	21.4	23.7
2007	21.6	23.1	25.5	26.3	26.6	25.0	23.8	23.8	23.0	22.7	22.3	21.4	23.8
2008	21.6	23.1	25.6	26.4	26.6	25.1	23.8	23.8	23.0	22.8	22.3	21.4	23.8
2009	22.2	24.3	26.3	28.2	27.4	26.8	26.4	25.8	23.7	24.7	21.9	22.3	25.0
2010	22.4	22.4	26.9	27.8	28.8	26.8	25.2	24.6	24.1	24.3	23.5	21.4	24.8
$\bar{x} =$	21.6	23.3	25.6	26.6	26.8	25.4	24.1	24.1	23.2	23.0	22.6	21.6	24.0

Gráfica 1: Distribución anual de la temperatura máxima normal en Ciudad Universitaria.

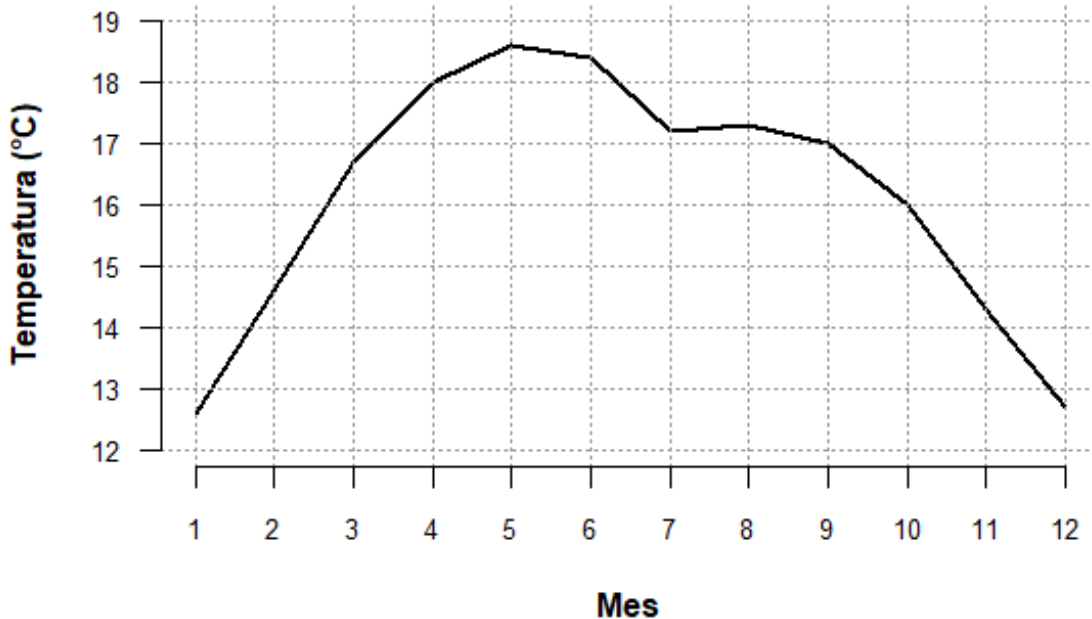


Fuente: Elaboración propia con base en datos del Observatorio Meteorológico del Colegio de Geografía, UNAM.

NORMALES CLIMATOLÓGICAS DE TEMPERATURA MEDIA (°C)

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	11.5	13.8	16.3	17.8	17.9	17.3	16.8	16.9	16.1	16.4	13.7	12.2	15.6
1982	13.6	14.3	17.4	18.7	18.3	19.5	16.2	17.4	17.6	16.4	14.6	13.0	16.4
1983	12.3	13.3	16.4	19.1	21.2	20.3	18.3	17.6	16.7	16.4	14.7	12.4	16.5
1984	12.7	14.8	16.9	18.6	17.2	17.5	15.5	15.8	15.3	16.5	13.5	10.9	15.4
1985	12.2	13.5	16.2	15.1	17.1	16.0	15.2	16.9	16.8	16.1	14.4	13.2	15.2
1986	11.5	14.6	15.8	18.4	17.3	16.7	16.1	16.7	17.1	15.5	14.5	12.7	15.6
1987	12.6	16.7	15.8	16.4	17.2	17.3	16.9	17.4	17.7	14.3	13.2	13.5	15.8
1988	12.1	14.6	15.9	18.1	19.0	18.5	18.1	18.2	17.3	16.0	14.7	13.1	16.3
1989	12.1	14.6	15.9	18.1	19.0	18.5	18.1	18.2	17.3	16.0	14.7	13.1	16.3
1990	13.3	14.5	16.1	17.1	19.4	18.2	17.0	17.3	16.8	16.1	14.8	12.6	16.1
1991	13.4	15.1	18.4	19.7	19.5	18.3	16.3	17.5	16.4	15.1	13.2	12.7	16.3
1992	13.3	13.6	17.1	16.6	16.3	19.0	16.8	17.8	16.2	14.8	13.8	12.3	15.6
1993	12.2	14.3	15.8	17.8	18.2	18.8	17.4	17.8	17.0	16.8	15.6	13.3	16.3
1994	13.5	16.2	17.8	17.7	19.2	17.9	17.4	17.2	16.4	17.0	14.8	13.7	16.6
1995	13.2	14.9	16.8	18.6	19.8	18.0	16.5	17.0	17.1	15.7	14.0	12.2	16.2
1996	11.5	14.5	15.9	17.2	19.6	17.3	16.6	16.8	17.6	16.3	13.9	13.4	15.9
1997	11.8	15.4	16.0	16.3	16.8	18.9	17.0	17.4	17.5	15.7	15.6	14.1	16.0
1998	12.6	14.1	17.0	19.8	22.5	20.3	18.2	18.1	18.0	16.6	16.3	13.7	17.3
1999	13.3	15.2	16.5	19.4	19.4	20.1	17.3	17.9	16.6	14.8	12.9	11.5	16.2
2000	12.2	14.4	16.7	17.6	16.5	17.2	17.6	16.3	18.2	16.9	15.3	11.7	15.9
2001	13.1	14.6	15.7	18.1	18.3	17.5	17.5	18.0	17.3	15.6	13.8	13.3	16.1
2002	13.0	14.3	17.7	18.4	20.0	18.7	17.2	17.3	17.3	17.2	14.0	13.9	16.6
2003	12.4	14.2	17.3	19.5	18.2	17.1	17.8	16.9	16.9	15.8	14.2	12.6	16.1
2004	14.2	16.4	16.9	18.1	17.8	17.3	16.6	16.9	16.9	15.8	14.2	12.6	16.1
2005	12.4	14.2	17.6	17.6	17.8	21.0	19.2	16.9	16.9	15.8	14.2	12.6	16.4
2006	12.5	14.3	17.4	17.4	17.9	18.4	18.0	17.0	17.0	15.8	14.3	12.7	16.1
2007	12.5	14.4	17.0	18.7	17.9	19.3	18.4	17.1	17.1	15.9	14.3	12.8	16.3
2008	12.2	15.6	17.0	17.0	18.9	19.4	17.9	17.9	16.8	15.8	13.7	10.9	16.1
2009	12.8	14.6	16.7	19.2	19.2	19.2	18.4	18.1	17.6	17.9	14.6	13.4	16.8
2010	12.4	13.6	17.3	18.7	20.9	19.6	16.9	18.1	17.8	16.0	14.1	11.5	16.4
\bar{x} =	12.6	14.6	16.7	18.0	18.6	18.4	17.2	17.3	17.0	16.0	14.3	12.7	16.1

Gráfica 2: Distribución anual de la temperatura media normal en Ciudad Universitaria.

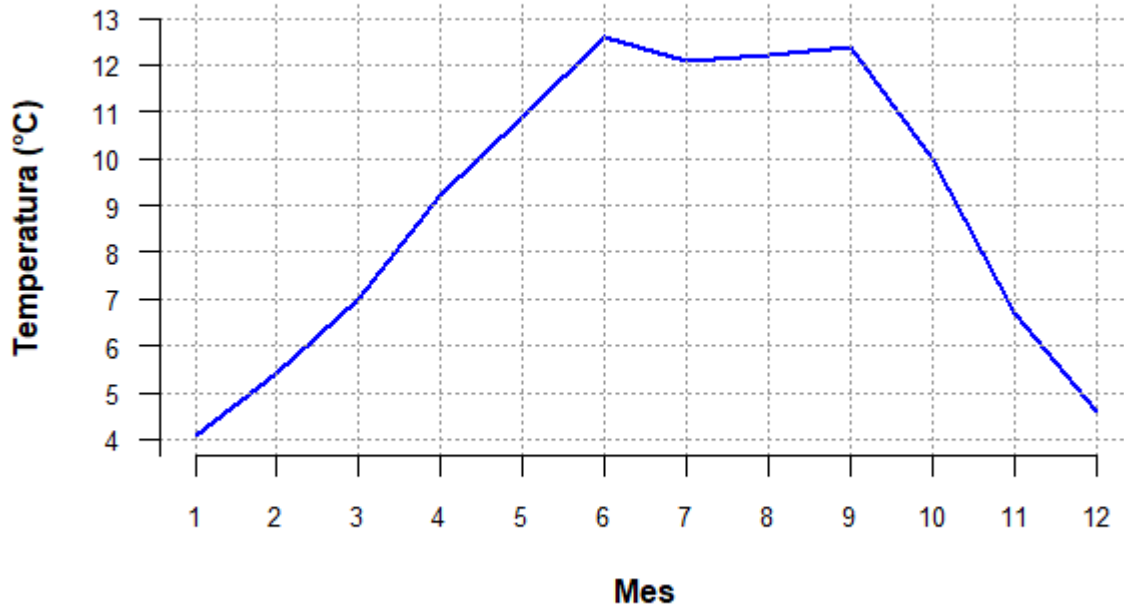


Fuente: Elaboración propia con base en datos del Observatorio Meteorológico del Colegio de Geografía, UNAM.

NORMALES CLIMATOLÓGICAS DE TEMPERATURA MÍNIMA (°C)

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	2.1	5.1	6.9	9.2	10.5	13.0	11.2	11.5	12.0	10.9	4.4	5.2	8.5
1982	4.1	5.4	7.5	10.1	11.2	11.1	11.2	10.7	11.7	9.4	5.5	4.3	8.5
1983	4.2	3.2	5.2	8.1	12.6	12.9	12.8	12.2	12.6	10.3	7.7	4.9	8.9
1984	4.4	5.9	7.5	9.1	10.2	12.0	12.2	11.4	11.9	9.8	5.5	3.8	8.6
1985	4.2	5.0	7.5	8.4	9.8	12.4	11.2	11.5	11.4	9.4	5.5	5.9	8.5
1986	2.1	4.7	4.5	9.0	11.3	12.8	10.6	11.3	12.1	10.2	8.3	4.9	8.5
1987	3.0	5.2	7.2	8.8	9.5	12.6	13.2	12.4	13.1	7.1	6.1	5.7	8.7
1988	3.1	5.8	7.6	9.1	10.3	12.8	12.3	12.8	11.2	9.3	5.1	4.7	8.7
1989	4.8	5.0	4.8	7.2	10.1	12.1	11.7	11.8	12.3	8.0	7.2	4.6	8.3
1990	5.0	5.9	7.3	8.7	11.6	12.6	12.7	12.5	12.3	11.3	7.8	4.0	9.3
1991	4.7	6.5	7.8	10.3	11.4	12.6	11.9	11.9	12.5	10.3	6.4	6.2	9.4
1992	6.8	5.1	8.2	9.1	10.4	12.5	11.8	12.2	12.1	9.6	7.4	4.8	9.2
1993	5.6	5.4	6.1	8.4	9.5	12.8	11.5	12.3	12.7	9.9	7.6	3.9	8.8
1994	4.8	6.7	7.9	9.5	10.8	12.0	11.0	11.9	11.4	10.7	7.4	6.8	9.2
1995	5.6	6.3	7.7	9.7	12.1	13.1	12.1	13.0	12.3	8.7	8.1	4.8	9.4
1996	2.2	5.1	6.2	8.8	11.8	12.6	12.2	12.5	12.5	10.3	5.7	5.3	8.7
1997	3.5	6.5	7.7	8.9	10.0	12.4	11.9	11.3	13.1	9.3	8.0	5.2	9.0
1998	2.7	3.0	6.0	10.1	11.0	13.6	12.9	13.2	14.0	12.3	9.9	4.9	9.5
1999	3.1	5.4	7.0	9.5	10.2	13.1	11.9	12.8	11.5	9.3	5.2	3.1	8.5
2000	2.9	4.7	6.7	9.0	10.6	12.5	11.2	11.5	11.5	8.9	6.7	3.0	8.3
2001	3.0	5.3	5.1	9.1	9.6	11.7	11.5	11.8	11.9	9.1	6.0	5.2	8.3
2002	3.0	5.8	7.1	8.8	11.1	11.4	11.4	10.7	12.3	10.4	6.1	4.4	8.5
2003	5.2	5.5	6.9	10.4	12.8	13.7	12.1	12.5	13.2	11.6	8.0	2.8	9.6
2004	5.6	4.7	9.1	9.7	11.1	12.4	12.2	12.9	13.1	11.9	6.5	5.0	9.5
2005	5.1	7.1	8.0	11.2	10.5	13.9	13.2	12.9	12.8	11.1	7.0	4.9	9.8
2006	4.1	6.2	7.1	9.7	11.6	12.3	15.8	13.0	13.2	12.0	7.2	4.0	9.7
2007	5.9	6.0	7.8	9.8	11.4	12.5	12.4	13.0	12.4	9.5	6.3	5.7	9.4
2008	4.0	5.3	6.9	9.1	10.8	12.5	11.9	12.0	12.3	10.0	6.7	4.7	8.9
2009	4.0	5.3	6.9	9.1	10.8	12.5	11.9	12.0	12.3	10.0	6.7	4.7	8.9
2010	5.3	4.8	7.2	9.0	12.7	13.8	13.6	13.5	13.5	8.4	4.7	1.6	9.0
\bar{x} =	4.1	5.4	7.0	9.2	10.9	12.6	12.1	12.2	12.4	10.0	6.7	4.6	8.9

Gráfica 3: Distribución anual de la temperatura mínima normal en Ciudad Universitaria.

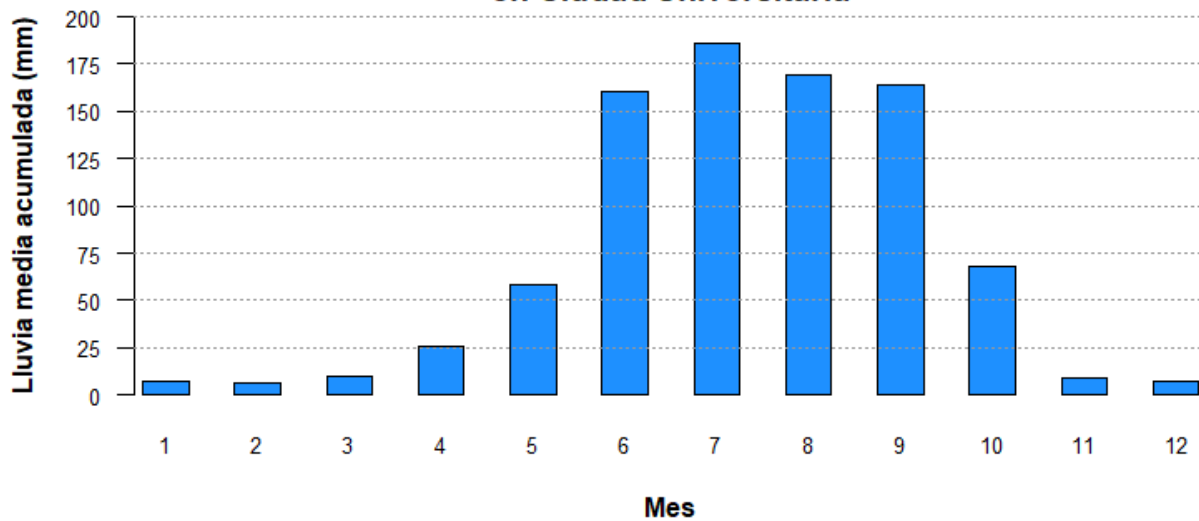


Fuente: Elaboración propia con base en datos del Observatorio Meteorológico del Colegio de Geografía, UNAM.

NORMALES CLIMATOLÓGICAS DE PRECIPITACIÓN (mm)

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	20.0	14.8	13.5	35.2	62.6	274.1	204.3	131.3	213.0	44.1	16.8	3.3	1033.0
1982	0.0	8.9	11.0	38.5	101.1	97.5	129.8	114.6	33.7	72.5	0.0	2.0	609.6
1983	13.2	6.2	7.9	0.0	21.1	106.7	233.9	139.6	127.8	69.3	5.4	1.9	733.0
1984	7.9	5.7	0.5	0.0	48.8	91.3	290.7	224.5	261.4	93.7	0.7	8.3	1033.5
1985	5.9	6.4	1.0	46.2	79.4	191.3	211.2	146.8	106.6	29.0	1.5	0.3	825.6
1986	0.0	0.6	0.0	24.3	99.9	340.0	153.6	107.9	139.7	79.5	11.1	0.2	956.8
1987	0.0	0.2	11.9	9.3	79.1	172.4	246.2	201.4	90.8	0.0	4.7	0.0	816.0
1988	1.7	5.1	34.0	5.4	68.5	164.6	190.7	227.0	135.6	40.8	2.3	0.0	875.7
1989	15.4	1.1	12.9	12.7	84.6	142.5	119.9	141.5	154.5	15.0	1.1	24.5	725.7
1990	2.7	1.9	6.9	49.2	59.9	90.7	240.7	141.1	183.6	59.0	0.7	2.0	838.4
1991	11.6	0.5	0.0	12.9	57.1	194.7	242.1	67.6	85.0	143.1	5.9	5.2	825.7
1992	25.4	0.5	0.0	12.9	57.1	194.7	242.1	67.6	85.0	143.1	5.9	5.2	839.5
1993	15.3	1.9	4.7	23.4	18.8	219.2	128.4	160.8	123.9	22.0	25.7	0.0	744.1
1994	23.7	0.0	0.0	64.1	27.8	198.3	176.6	171.0	155.3	85.1	3.8	0.1	905.8
1995	20.8	7.0	3.4	3.4	115.0	228.4	138.2	197.2	121.1	51.8	68.9	29.4	984.6
1996	0.0	0.0	0.0	28.8	26.0	121.6	160.0	154.8	222.2	61.7	0.0	12.6	787.7
1997	0.7	0.0	36.7	44.7	61.0	74.5	199.1	163.3	92.5	47.7	7.5	4.9	732.6
1998	6.8	0.0	0.0	2.7	9.3	60.5	106.9	247.1	379.9	90.6	3.6	0.0	907.4
1999	0.0	0.0	7.9	23.7	17.6	77.3	184.9	223.7	103.2	125.2	1.8	0.0	765.3
2000	0.0	0.0	10.1	8.1	93.4	266.1	94.0	210.6	149.7	48.6	13.3	1.8	895.7
2001	0.7	6.6	6.0	85.2	80.6	179.0	163.1	181.1	251.2	46.7	0.0	0.0	1000.2
2002	5.7	1.4	5.0	23.5	36.6	91.5	160.4	88.8	231.7	45.9	39.3	3.0	732.8
2003	0.9	0.0	20.0	25.8	8.5	236.0	196.7	157.8	190.7	61.5	8.9	0.1	906.9
2004	2.6	0.0	43.7	26.3	57.0	191.6	151.5	163.9	203.9	58.8	0.0	1.3	900.6
2005	0.0	6.0	1.9	28.5	32.3	126.0	169.3	195.6	34.4	165.6	3.6	0.4	763.6
2006	0.5	0.2	17.3	40.3	81.1	146.9	175.3	269.7	267.2	124.8	42.1	2.0	1167.4
2007	1.0	21.5	20.7	16.2	67.2	103.3	226.3	249.7	269.4	62.0	0.0	4.3	1041.6
2008	0.2	0.9	7.5	41.0	60.5	208.9	136.6	145.0	89.7	64.9	0.0	108.5	863.7
2009	8.2	8.3	3.9	7.2	103.6	106.1	161.2	183.8	298.7	79.8	0.0	0.1	960.9
2010	29.1	79.0	4.6	21.2	37.0	124.8	347.4	195.7	108.8	0.5	2.8	0.0	950.9
\bar{x} =	7.3	6.2	9.8	25.4	58.4	160.7	186.0	169.0	163.7	67.7	9.2	7.4	870.8

Gráfica 4: Distribución anual de la precipitación normal en Ciudad Universitaria

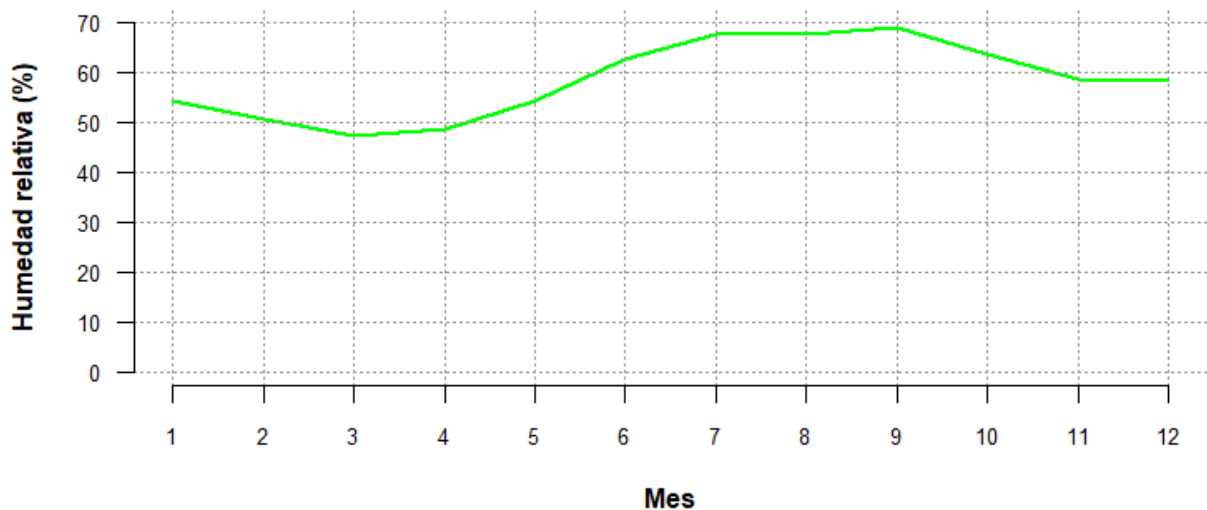


Fuente: Elaboración propia con base en datos del Observatorio Meteorológico del Colegio de Geografía, UNAM.

NORMALES CLIMATOLÓGICAS DE HUMEDAD RELATIVA (%)

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	57	58	50	53	58	70	70	65	68	68	58	65	61.7
1982	58	58	56	54	62	54	66	62	61	62	58	62	59.4
1983	64	52	47	43	55	58	77	75	75	64	62	68	61.6
1984	66	64	60	49	63	67	77	74	78	65	55	67	65.3
1985	57	54	52	53	54	64	61	58	59	61	63	71	58.8
1986	55	48	35	43	48	59	66	69	69	68	64	57	56.7
1987	53	51	48	52	54	67	70	70	66	56	62	60	59.2
1988	56	58	56	50	52	58	66	67	70	70	59	64	60.5
1989	62	58	48	53	63	76	77	85	84	70	70	73	68.2
1990	67	65	62	65	65	75	80	77	80	75	64	59	69.5
1991	61	56	47	48	61	77	82	72	78	78	71	69	66.7
1992	69	59	57	67	79	73	84	85	67	67	68	59	69.4
1993	61	51	51	50	53	63	62	60	64	55	51	50	55.9
1994	55	51	42	39	42	57	54	62	55	57	43	46	50.4
1995	41	41	36	37	40	59	67	75	68	58	58	49	52.4
1996	39	37	35	45	49	59	58	62	63	58	50	45	50.0
1997	44	40	44	45	47	47	48	45	56	48	47	44	46.1
1998	29	28	32	35	31	43	46	39	57	53	35	29	38.1
1999	26	28	38	47	45	53	60	62	60	49	43	45	46.4
2000	44	38	41	40	51	64	59	66	65	62	65	59	54.5
2001	58	58	47	52	62	72	73	71	76	68	65	65	63.9
2002	53	50	44	48	45	54	64	63	71	65	60	57	56.2
2003	55	52	48	50	56	64	69	69	69	65	60	59	59.7
2004	57	46	54	50	60	70	67	67	73	69	57	58	60.7
2005	58	54	41	50	51	58	65	68	64	65	58	54	57.0
2006	49	45	46	45	57	62	71	75	71	71	66	61	59.9
2007	61	53	52	54	55	63	78	74	77	66	64	71	64.0
2008	55	49	41	46	48	60	65	65	69	56	54	49	54.7
2009	64	64	56	49	63	67	72	75	80	73	68	73	66.9
2010	55	51	48	50	55	63	68	68	69	63	59	59	58.8
\bar{x} =	54.2	50.5	47.1	48.7	54.1	62.5	67.4	67.5	68.7	63.4	58.6	58.2	58.4

Gráfica 5: Distribución anual de la humedad relativa media normal en Ciudad Universitaria.



Fuente: Elaboración propia con base en datos del Observatorio Meteorológico del Colegio de Geografía, UNAM.