

Guía para Ejercicio 2 Entregable 3

Utilizando herramientas vistas en el curso (ej. análisis en frecuencia, transformaciones geométricas, segmentación por umbral, detección de bordes, líneas y regiones, morfología, etiquetado de regiones, entre otros) se buscará identificar en cada imagen:

1. **Orientación general del documento en la imagen.** El documento está en formato vertical o está apaisado.

Ejemplos:

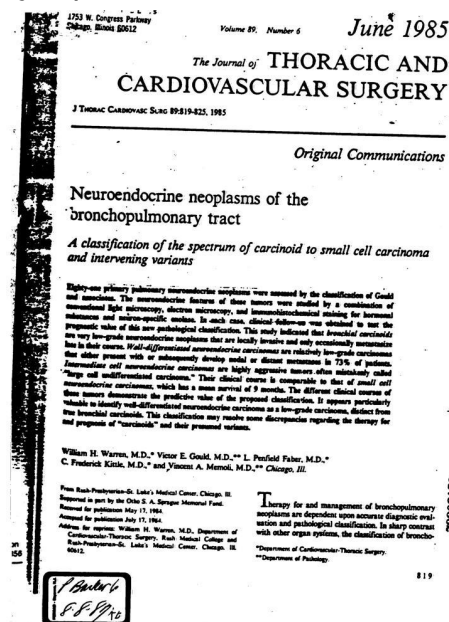


Figura 1: formato vertical

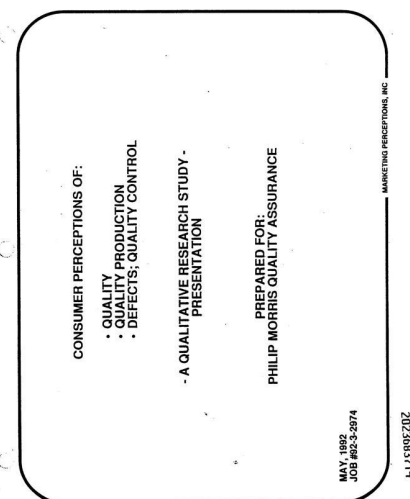


Figura 2: formato apaisado

- Ejemplos documentos tipo formulario:*

[illegible][illegible]

MATERIAL SAFETY DATA SH

J. T. Baker Chemical Co., 222 Red School Lane, Phillipsburg,

SECTION I - IDENTIFICATION OF PRODUCT

CHEMICAL NAME

Phenolphthalein

FORMULA

$C_{20}H_{14}O_5$ (C₂₀H₁₄-4-OR)₂

SYNONYM OR CROSS REFERENCE

CAS NO:

77-09-8

SECTION II - HAZARDOUS INGREDIENTS

MATERIAL

NATURE OF HAZARD

SECTION III - PHYSICAL DATA

BOILING POINT

MELTING POINT

507°F.

VAPOR PRESSURE

SPECIFIC GRAVITY

1.277 (32/4)

VAPOR DENSITY (AIR=1)

PERCENT VOLATILE BY VOLUME (%)

WATER SOLUBILITY

EVAPORATION RATE

(= 1)

APPEARANCE

White crystalline solid; odorless

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used)

FLAMMABLE LIMITS

Lower

Upper

FIRE EXTINGUISHING

MEDIA CO₂, dry chemical, water

SPECIAL FIRE-FIGHTING PROCEDURES

ALC. wash should be noted.

UNUSUAL FIRE AND EXPLOSION HAZARD

SECTION V - HEALTH HAZARD

THRESHOLD LIMIT VALUE

HEALTH HAZARDS

FIRST AID PROCEDURES

CHEMICAL NAME

205744056

Figura 3: documentos tipo tablas/formularios

3. ¿El documento tiene columnas de texto? El documento tiene agrupaciones de texto en columnas por varias filas.

Ejemplos de documentos con columnas de texto:

THE COUNCIL FOR TOBACCO RESEARCH—U.S.A., INC.

1975 Budget (Proposed as of December 5, 1974)			
	1974 Budget	Estimated 1974 Expenditures	Proposed 1975 Budget
SCIENTIFIC ADVISORY BOARD	72,000	68,000	75,000
ADMINISTRATION			
Salary: President, Executive Vice President & Staff	115,000	113,000	115,000
Expenses	15,000	15,000	15,000
Salary: Scientific Director & Staff	253,000	279,000	300,000
Expenses	55,000	47,000	55,000
Services: Administrative & Other	101,000	101,000	111,000
Provision for Retirement	40,000	33,000	42,000
Payroll Taxes	18,000	17,000	21,000
	637,000	600,000	659,000
OFFICE EXPENSES			
Rent & Facilities	70,000	75,000	80,000
Telephone & Telegraph	15,000	15,000	19,000
Messenger, Postage & Expense	5,000	3,000	5,000
Stationery & Supplies	3,000	3,000	4,000
Insurance	24,000	19,000	24,000
	117,000	115,000	132,000
OUTSIDE SERVICES			
Printing, Reproducing, Subscriptions & Translations	45,000	44,000	50,000
Exhibits, Special Reports & Services	3,000	2,000	3,000
	48,000	46,000	53,000
LEONARD EARN AND ASSOCIATES, INC.	58,000	61,000	66,000
SPECIAL SERVICES, CONTINGENCIES & MISCELLANEOUS (1)	100,000	65,000	100,000
	1,032,000	955,000	1,085,000
GRANTS & CONTRACTS	3,968,000	3,880,000 (2)	4,963,000
	49,000,000	44,835,000	46,048,000

(1) Includes legal fees, outside consultants and other contingencies.
(2) Amount budgeted less adjustments and refunds.

WORK PLAN VOUCHER REQUEST
1ST HALF - 1997

Division: 1240 Date: 5/18/97
RJR Personnel: L.T. WILKINSON Signature: [Signature]
Jobber Name: [Name] Check Mailed To: [] Division Office [] Jobber
Account #: 2344110

Promotion: Rate Units Payment Comments

CAM NY 20DPC VP	0.20	X	=	Camel 4 Carton DPC Displays
DOR NY 25DPC VP	0.25	X	=	Doral 4 Carton DPC Displays
SAL NY 20DPC VP	0.20	X	=	Salem 4 Carton DPC Displays
WIN NY 20DPC VP	0.20	X	=	Winston 4 Carton DPC Displays
CAM 20VPR (2 CTN)	0.20	X	=	Camel 2 Carton DPC Displays
DOR 25VPR (2 CTN)	0.25	X	=	Doral 2 Carton DPC Displays
SAL 20VPR (2 CTN)	0.20	X	=	Salem 2 Carton DPC Displays
WIN 20VPR (2 CTN)	0.20	X	=	Winston 2 Carton DPC Displays
97 DPC PAYMENT	28.00	X	=	DPC Display Assembly
TOTAL				

*** V A P ***

Display Assembly Rate Units Payment Comments

Dec Camel Menthol B1G1F	28.00	X	=	Dec Camel Menthol B1G1F Displays
Jan Camel B2G2F	28.00	X	=	Jan Camel B2G2F Displays
Feb Doral B2G1F	28.00	X	=	Feb Doral B2G1F Displays
March Doral Lighter	28.00	X	=	March Doral Lighter
April Camel B2G2F	14.00	X	=	April Camel B2G2F Displays
April Camel Menthol B1G1F	14.00	X	=	April Camel Menthol B1G1F Displays
97 Pre Book (Black line & Sticker)	28.00	X	=	97 Pre Book (Black line & Sticker)
TOTAL				

*** Temporary Payment System ***

Promotion: Rate Units Payment Comments

WIN RAC MTCH	1.00	X	=	WIN RAC MTCH
CAM RAC MTCH	1.00	X	=	CAM RAC MTCH
SAL RAC MTCH	1.00	X	=	SAL RAC MTCH
TOTAL				

Daily News
FRIDAY, APRIL 15, 1996

Poll finds smoking ban hurt restaurant trade

By [Name]
[Text of article]

DEFINITIONS FOR NON-MENTHOL DIAGNOSTIC 1 PANEL:

UNIT CIGARETTE

Evaluate the smoke term before lighting the cigarette.

ADDED FLAVOR AROMA (slight-extreme)

Intensity of any added flavor aroma which is non-tobacco.

LIT CIGARETTE

Begin evaluating after the third puff.

EASE OF LIGHTING (easy-difficult)

Measurement of difficulty in fully lighting the product.

BURNT CARDBOARD (aroma when inhaling through the nose; slight-extreme)

Intensity of the smell of cardboard paper burning; noticeable on the first few puffs. Rusty, burnt, cellulosic smell; like cardboard paper burning, but with the irritation (i.e. nasal sting) removed from the smell.

THROAT HARSHNESS I (slight-extreme)

Intensity of the scratchy, raw feeling in the throat during the first few puffs. Would include astringent, irritation, and burning sensations.

TOBACCO (slight-extreme)

Intensity of traditional tobacco taste or cigarette smoke taste perceived from the burning of flue-cured, burley, or Turkish tobaccos. Traditional tobacco taste, regardless of the type of tobacco.

THROAT IMPACT (Inhalers only; slight-extreme)

Intensity of the punch in the back of the throat felt immediately upon inhaling. Non-inhalers would not evaluate this dimension.

FRUITY (slight-extreme)

Intensity of light, sweet flavor associated with fruit cocktail. Includes dried fruit, especially raisins and dates. Sweet perceptions would fall under this attribute.

Figura 4: documentos con columnas de texto

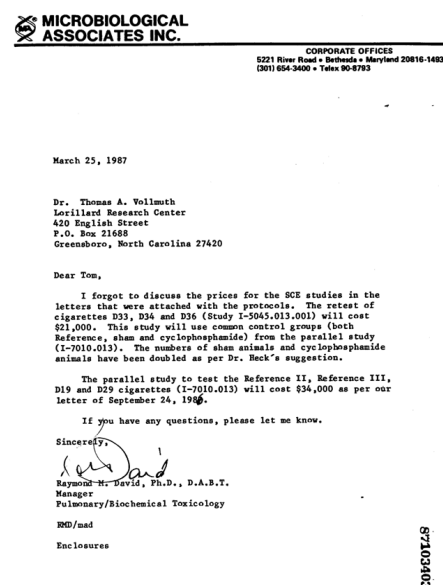
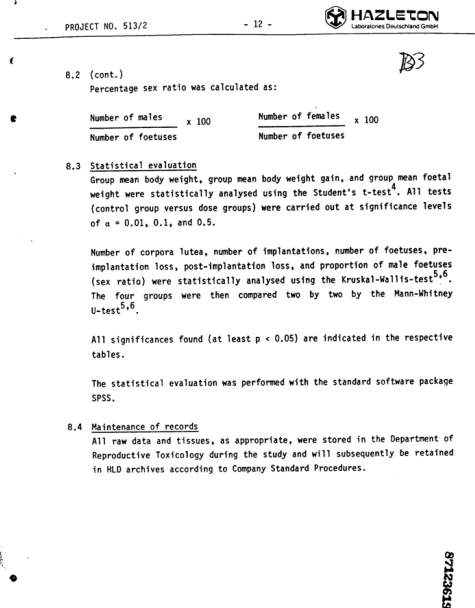


Figura 5: documentos sin columnas de texto

4. **Detección de figura.** ¿El documento es sólo texto y/o líneas o contiene alguna figura? Se entenderá por figura un conjunto conexo de píxeles mayor al 1% del área de la imagen y que no está compuesto por texto/líneas y que tampoco es una región quasi-uniforme (ej. un rectángulo quasi-uniforme no se considera una figura)

Ejemplos:

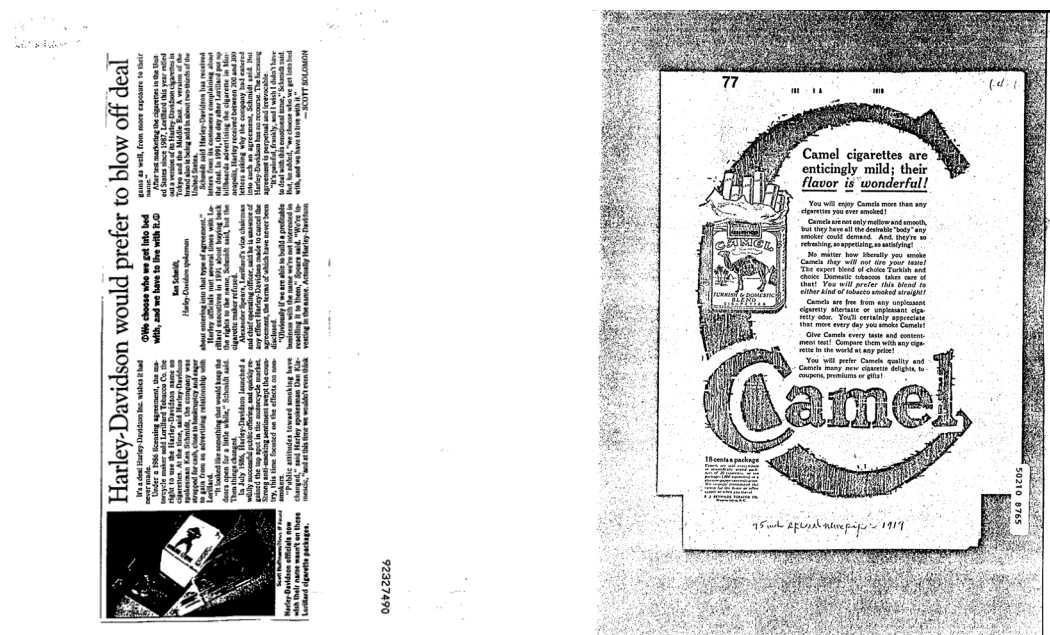




Figura 6: documentos con figuras.

5. **Ángulo de giro.** Ángulo a girar el documento en sentido horario para que las líneas y/o texto queden horizontales.
Ejemplo:

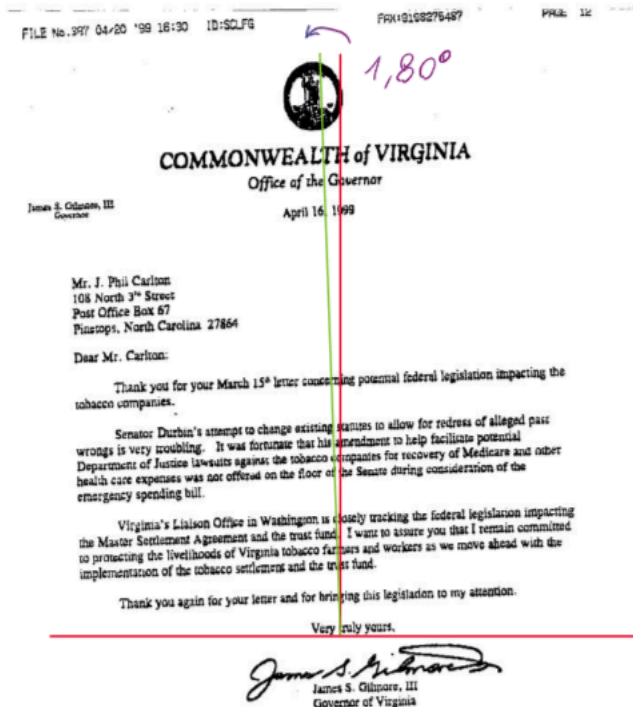


Figura 7: documento original girado (se alinea con giro 1.80° horario)

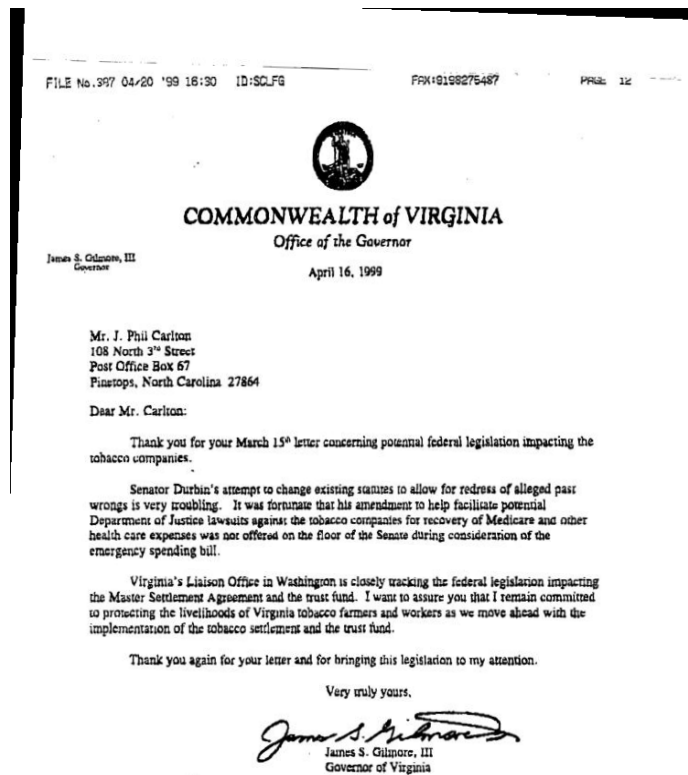


Figura 8: documento alineado