Using a Summary Score Approach to Analyze Performance Measures Over Time
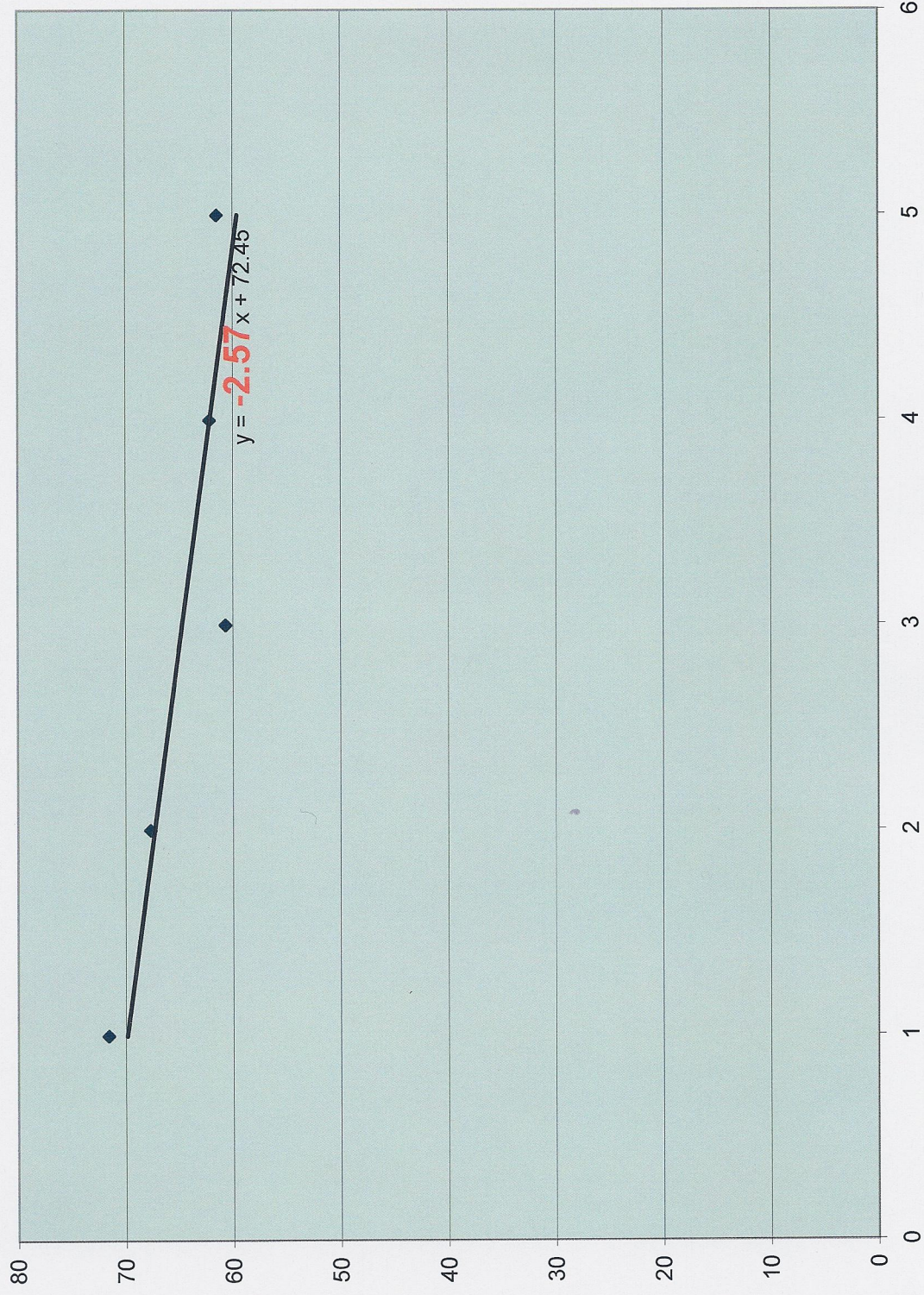
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ACDCFS - C1.1 Reunification within 12 months (exit cohort)

	JL02-JU03	JL03-JU04	JL04-JU05	JL05-JU06	JL06-JU07	JL07-JU08	JL08-JU09	JL09-JU10	JL10-JU11	JL11-JU12
ACDCFS	61.3	65.1	69	67.2	66.2	71.6	67.7	60.7	62.2	61.5
National Goal	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2

Percent

ACDCFS - C1.1 Base Slope

$y = 1.19x + 62.19$

Legend:
- ◆ Series1
- —— Linear (Series1)

ACDCFS - C1.1 CAP Slope

$y = -2.57 \, x + 72.45$

Series1
Linear (Series1)
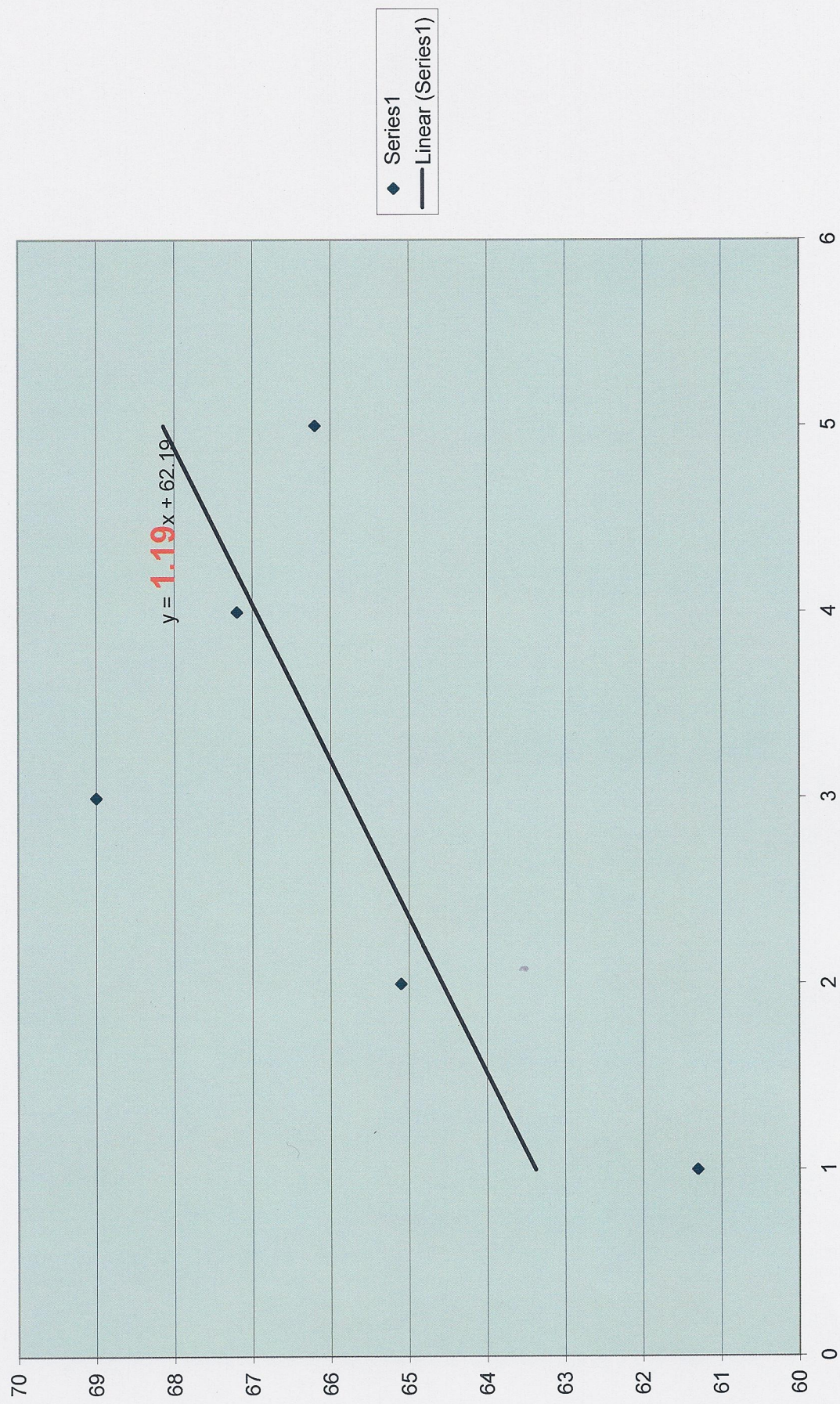
The Solution

Analysis of Indicators: Base and CAP

Slope—generated in Excel using scatter plot and linear plot with equation function

1. Divide data into Base and Cap years (optional).
2. Highlight years and data for Base.
3. Click Chart Wizard.
4. Select "X/Y (Scatter)," sub-type no lines.
5. Create new sheet, name: Base Slope.
6. Click a data point to highlight all data points.
7. Right click, select Add Trendline.
8. Select Linear (if not default).
9. Click Options Tab.
10. Click box for "Display equation on chart."
11. Click OK.
12. Note the Slope (e.g., 1.19; y = 1.19x + 62.19)
13. Repeat Steps 2 – 12 for CAP years.

Celeration—Acceleration, Deceleration, Horizontal Stability
Trend—Yes (trend in the desired direction); No (trend not in desired direction)
National Standard/Goal—Count of Achieved / Possible

Analysis of Indicators: Comparison Between Base and CAP

Magnitude—Increase or Decrease between the end of Base and start of CAP (% pts)
Change in Trend between Base and CAP—Yes; No; Continuing
Change in Trend in Desired Direction—Yes; No; Yes Continuing; No Continuing
Summary Score (inclusive of Base and CAP information)—3 possible pts.; 1 pt. for each.
    (a) Shift in Magnitude in desired direction
    (b) At/Exceeded, National Standard/Goal at least once during CAP
    (c) Change in trend in desired direction or continuing in desired direction

Analysis of Outcomes

Summary Scores—count / percent for Child Safety (5), Exits to Permanency (5), Placement
    Stability (3)

Overall Assessment

Summary Scores—count / percent for all outcome variables
Trend Lines—count / percent for Base vs. CAP
National Standard Goal—count / percent for Base vs. CAP

Sample Tables

Table 4.6 ACDCFS Exits to Permanency Indicators											
	Baseline				**CAP**				**Comparison**		
	Slope	Celer	Trend	Nat S/G	Slope	Celer	Trend	Nat S/G	Mag	Δ B v C	Δ Des Dir	Sum
C1.1												
C1.2												
C1.3												
C1.4												
C2.1												

Note: *Cel*=Celeration, *Acc*=Acceleration, *Dec*=Deceleration, *HS*=Horizontal Stability, *Nat S/G*=National Standard/Goal, *Mag*=Magnitude, *Δ B v I*=Trend Change between Baseline and Intervention, *Δ Des Dir*=Trend Change in Desired Direction, *Sum*=Summary Score, *Y*=Yes, *N*=No, *NA*=Not Applicable, *U*=Unclear, *C*=Trend Continuing, *CY*=Trend Continuing in the Desired Direction, *CN=Trend Continuing Not in the Desired Direction.*

Table 4.6 ACDCFS Exits to Permanency Indicators											
	Baseline				**CAP**				**Comparison**		
	Slope	Celer	Trend	Nat S/G	Slope	Celer	Trend	Nat S/G	Mag	Δ B v C	Δ Des Dir	Sum
C1.1	+1.19	Acc	Y	0/5	-2.57	Dec	N	0/5	+2% pts	Y	N	1/3
C1.2	-0.40	Dec	Y	1/5	+0.42	Acc	N	0/5	+1% pts	Y	N	0/3
C1.3	+0.12	Acc	Y	1/10	-0.38	Dec	N	0/9	-5% pts	Y	N	0/3
C1.4	+0.45	Acc	N	0/5	-2.07	Dec	Y	0/4	0	Y	Y	1/3
C2.1	+4.53	Acc	Y	0/5	+1.00	Acc	Y	2/5	-2% pts	C	CY	2/3

Note: *Cel*=Celeration, *Acc*=Acceleration, *Dec*=Deceleration, *HS*=Horizontal Stability, *Nat S/G*=National Standard/Goal, *Mag*=Magnitude, *Δ B v I*=Trend Change between Baseline and Intervention, *Δ Des Dir*=Trend Change in Desired Direction, *Sum*=Summary Score, *Y*=Yes, *N*=No, *NA*=Not Applicable, *U*=Unclear, *C*=Trend Continuing, *CY*=Trend Continuing in the Desired Direction, *CN=Trend Continuing Not in the Desired Direction.*

Table: Summary Scores		
	ACDCFS	
	n	%
Child Safety	7 / 12	58%
Exits to Permanency	4 /15	27%
Placement Stability	5 / 9	67%
Total	17 / 36	51%

CAP Evaluation Outcome Study Outcomes and Indicators Table

Table 4.1 Outcome Study Outcomes and Indicators
Child Safety
S1.1 No Recurrence of Maltreatment: This safety measure reflects the percentage of children who were victims of a substantiated or indicated child maltreatment allegation within a specified 6-month period for whom there was no additional substantiated maltreatment allegation during the subsequent 6 months.
S2.1 No Maltreatment in Foster Care: This safety measure reflects the percentage of children who were not victims of a substantiated maltreatment report by a foster parent or facility staff while in out-of-home care. (Probation)
Recurrence of Allegations: Children who were not removed from home with a substantiated base disposition who had substantiated allegation within 12 months.
2B Timely Response (Immediate Response Compliance): These reports provide the percentage of child abuse and neglect referrals that require, and then receive, an in-person investigation within the specified time frame.
2C Timely Social Worker Visit with a Child: These reports measure the compliance rate for case worker visits with children. The rate is equal to the percentage of children requiring a caseworker contact who received the contact in a timely manner.
Exits to Permanency
C1.1 Reunification Within 12 Months (Exit Cohort): This measure computes the percentage of children discharged to reunification within 12 months of removal. (Probation)
C1.2 Median Time to Reunification (Exit Cohort): This measure computes the median length of stay (in months) for children discharged to reunification. (Probation)
C1.3 Reunification Within 12 Months (Entry Cohort): This measure computes the percentage of children reunified within 12 months of removal for a cohort of children first entering foster care. (Probation)
C1.4 Reentry Following Reunification (Exit Cohort): This measure computes the percentage of children reentering foster care within 12 months of a reunification discharge. (Probation)
C2.1 Adoption Within 24 Months (Exit Cohort): This measure computes the percentage of children adopted within 24 months of removal.
Placement Stability
C4.1 Placement Stability (8 Days to 12 Months in Care): This measure computes the percentage of children with two or fewer placements who have been in foster care for 8 days or more, but less than 12 months. (Probation)
C4.2 Placement Stability (12 Months to 24 Months in Care): This measure computes the percentage of children with two or fewer placements who have been in foster care for at least 12 months, but less than 24 months. (Probation)
C4.3 Placement Stability (At Least 24 Months in Care): This measure computes the percentage of children with two or fewer placements who have been in foster care for 24 months or more. (Probation)
Appropriateness and Restrictiveness of New and Existing Out-of-Home Placements
4B Least Restrictive (Entries First Placement): This measure is derived from a longitudinal database of all entries to out-of-home care (in care 8 days or more) during the time period specified and computes the percentage of children who have a first placement of "Kinship," "Foster Home," "FFA," "Group," "Shelter," or "Guardianship." (Probation)
4B Least Restrictive (Point-in-Time Placement): This measure is a point-in-time count of all children who have an open placement episode of "Kinship," "Foster Home," "FFA," "Group Home/Shelter," "Other," "Runaway," "Guardianship," or "Pre-Adopt." (Probation)
Participation Rates (children per 1,000)
Rate of children with maltreatment referrals.

Rate of children with substantiated referrals.	
Rate of children with entries to foster care.	
Rate of children in foster care.	
General Caseload	
Case Service Component	
Entries (Probation Only)*	
Point-in-Time (Probation Only)	
Exits (Probation Only)	